

National Board of Examinations

Question Paper Name :	DrNB INTERVENTIONAL RADIOLOGY Paper2
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DrNB INTERVENTIONAL RADIOLOGY Paper2

Group Number :	1
Group Id :	3271871650
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB INTERVENTIONAL RADIOLOGY Paper2

Section Id :	3271871653
Section Number :	1
Section type :	Offline

Mandatory or Optional :	Mandatory
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271871657
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718716032 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Ablation of liver metastases:

- Describe the various ablative techniques and their principle. [3]
- Discuss the various methods used when doing ablation in difficult to treat locations. [4]
- EORTC-CLOCC trial for colorectal metastasis. [3]

Question Number : 2 Question Id : 32718716033 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Image guided pain relief techniques:

- a) Discuss the various drugs used for image-guided pain relief. [3]
- b) Describe in detail celiac ganglion block. [4]
- c) Discuss ultrasound-guided greater occipital nerve block. [3]

Question Number : 3 Question Id : 32718716034 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Cholangioplasty of benign biliary strictures:

- a) Enumerate the causes of benign biliary strictures. [3]
- b) Describe in detail the cholangioplasty of benign biliary strictures. [4]
- c) Discuss the role of stenting in benign biliary strictures. [3]

Question Number : 4 Question Id : 32718716035 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Percutaneous nephrostomy in ureteric obstruction:.

- a) Describe PCN in a non-dilated system. [4]
- b) Discuss the causes of ureteric obstruction and indications for antegrade ureteric stenting. Describe the technique of antegrade stenting. [6]

Question Number : 5 Question Id : 32718716036 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Interventional radiology method of treating chronic venous insufficiency:

- a) Describe the imaging evaluation of chronic venous insufficiency. [3]
- b) Non-surgical management of chronic venous insufficiency. [4]
- c) CEAP classification of chronic venous disease. [3]

Question Number : 6 Question Id : 32718716037 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Interventions in acute pancreatitis:

- a) Discuss the various complications of acute pancreatitis. [3]
- b) Describe the management of vascular complications of acute pancreatitis. [4]
- c) Discuss the PANTER trial. [3]

Question Number : 7 Question Id : 32718716038 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Endovascular treatment of complications in post-liver transplant patients:

- a) Enumerate the short-term and long-term complications of post-liver transplantation. [3]
- b) Management of patients with acute hepatic artery thrombosis. [4]
- c) Interventions in splenic steal syndrome. [3]

Question Number : 8 Question Id : 32718716039 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Endovascular treatment of massive hemoptysis:

- a) Enumerate causes of massive hemoptysis. [3]
- b) Describe the treatment of Rasmussen's aneurysm. [4]
- c) Discuss the treatment of pulmonary arteriovenous fistula. [3]

Question Number : 9 Question Id : 32718716040 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Interventions in arthropathy:

a) Geniculate artery embolization in osteoarthritis. [3]

b) Prolotherapy in chronic shoulder pain. [4]

c) Facet joint arthropathy. [3]

Question Number : 10 Question Id : 32718716041 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Endovascular management of hepatocellular carcinoma:

a) Discuss the new BCLC staging versus the previous versions. [3]

b) Describe the technique of hepatic venous deprivation prior to hepatic resection. [4]

c) Define TACE refractoriness and discuss its management. [3]