

National Board of Examinations

Question Paper Name :	DrNB INTERVENTIONAL RADIOLOGY Paper1
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DrNB INTERVENTIONAL RADIOLOGY Paper1

Group Number :	1
Group Id :	3271871649
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 Paper1

Section Id :	3271871652
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 :	3271871656
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718721153 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

1. Angiographic anatomy of the mesenteric arcade:

- Enumerate the various branches of the superior mesenteric artery. [3]
- Describe the various collaterals in the arcade. [4]
- Discuss the relevance of the mesenteric arterial anatomy in relation to endovascular management of an upper GI bleed. [3]

Question Number : 2 Question Id : 32718721154 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Embolizing materials used:

- Enlist the temporary and permanent embolizing materials. [3]
- Describe the various types of plugs. [4]
- Describe the technique and usage of thrombin injection. [3]

Question Number : 3 Question Id : 32718721155 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Pre-procedure work-up for an interventional procedure:

- a) Discuss the ways of consenting for an IR procedure. [3]
- b) Describe the acceptable coagulation profile for different procedures. [4]
- c) Describe the anticoagulation prior to venous stenting. [3]

Question Number : 4 Question Id : 32718721156 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 biopsy of a mass lesion:

- a) Describe the various types of biopsy guns. [3]
- b) Discuss the technique of biopsy from a transplanted kidney. [4]
- c) Discuss the complications of biopsy from a pulmonary nodule and their management. [3]

Question Number : 5 Question Id : 32718721157 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Radiation exposure in the angiographic suite:

- a) Enumerate the harmful effects of radiation exposure. [3]
- b) Discuss the ways to reduce scatter radiation in the angiographic suite. [4]
- c) Describe the various radiation protective devices to be used by the interventional radiologist. [3]

Question Number : 6 Question Id : 32718721158 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 drainage of collections and abscesses:

- a) Describe the different types of drainage catheters. [3]
- b) Discuss the technique of treating a Type I liver hydatid cyst. [4]
- c) Describe in detail the complications of drainage of a psoas abscess. [3]

Question Number : 7 Question Id : 32718721159 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Work-up for liver resection:

- a) Describe the segmental anatomy of the liver. [3]
- b) Describe in detail the variations of hepatic arterial anatomy. [4]
- c) Describe the anatomy of the portal venous system and its variations. [3]

Question Number : 8 Question Id : 32718721160 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Catheter angiography in patients with impaired renal function:

- a) Gadolinium as an alternative to iodinated contrast. [3]
- b) CO₂ Angiography. [4]
- c) Contrast induced nephropathy. [3]

Question Number : 9 Question Id : 32718721161 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Access for interventional procedures:

- a) Antegrade versus retrograde approach for lower limb angioplasty. [3]
- b) Ipsilateral versus contralateral access for portal vein embolization. [4]
- c) Jugular versus femoral access for BRTO. [3]

Question Number : 10 Question Id : 32718721162 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

CT assisted interventional procedures:

- a) Technique of CT fluoroscopy. [3]
- b) Working of rotational CT angiography. [4]
- c) Utility of cone beam CT. [3]