

National Board of Examinations

Question Paper Name :	DrNB INTERVENTIONAL RADIOLOGY Paper2
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Actual Answer Key :	No

DrNB INTERVENTIONAL RADIOLOGY Paper2

Group Number :	1
Group Id :	3271871272
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB INTERVENTIONAL RADIOLOGY Paper2

Section Id :	3271871275
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 :	3271871279
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718711772 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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. Endovascular management of peripheral arterial disease.
 - a) What are the various non-invasive assessments for evaluation of acute limb ischemia? [3]
 - b) Rutherford Classification of chronic peripheral arterial disease. [4]
 - c) Describe common endovascular revascularization strategies of femoropopliteal vessels. [3]

Question Number : 2 Question Id : 32718711773 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Management of hepatocellular carcinoma:

- a) What are the indications and contraindications of Trans-arterial chemoembolization? [3]
- b) Principles of various ablative techniques and their indications. [4]

c) Describe LIRADS – TRA (Liver Imaging Reporting and Data System- Treatment Response Algorithm). [3]

Question Number : 3 Question Id : 32718711774 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Preoperative embolization of intracranial meningiomas:

- a) What is the blood supply and common locations of meningioma? [3]
- b) What are the various embolization material used for the procedure? [4]
- c) What are the angiographic variations and complications associated with the procedures? [3]

Question Number : 4 Question Id : 32718711775 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Transjugular intrahepatic Porto systemic shunt (TIPS):

- a) What are the absolute and relative contraindication of TIPS? [3]
- b) Describe in brief about MELD Score and Child Pugh Score. [4]
- c) Describe the TIPS procedure and the hardware used. [3]

Question Number : 5 Question Id : 32718711776 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Endovascular management of chronic venous insufficiency:

- a) Describe Colour Doppler assessment and mapping for varices. [3]
- b) Describe Radiofrequency ablation and Endovenous laser ablation in varices. [4]
- c) Describe recent novel methods in Endovenous management of varices. [3]

Question Number : 6 Question Id : 32718711777 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Interventional management of renal transplant dysfunction:

- a) Indication and complications of percutaneous renal transplant biopsies. [3]
- b) Management of graft thrombosis. [4]
- c) Describe various urological complications of renal transplant. [3]

Question Number : 7 Question Id : 32718711778 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Endovascular Abdominal Aortic Aneurysm Repair (EVAR):

- a) Describe vascular anatomy for planning of EVAR. [3]
- b) Describe types of post EVAR endo leak. [4]
- c) Describe essential hardware required for EVAR. [3]

Question Number : 8 Question Id : 32718711779 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Percutaneous transluminal angioplasty in haemodialysis fistula:

- a) Describe clinical indications for angioplasty in AV fistula. [3]
- b) What are the various techniques and complications in AV fistula angioplasty? [4]
- c) Describe novel methods for management of central vein stenosis. [3]

Question Number : 9 Question Id : 32718711780 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Uterine Artery Embolization (UAE) :

- a) What are the various indications of uterine artery embolization? [3]
- b) Describe the technique and hardware used in UAE. [4]
- c) What are the complications of UAE? [3]

Question Number : 10 Question Id : 32718711781 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Percutaneous Biliary Drainage (PBD):

- a) Clinical indications for PTBD and complications of the procedure. [3]
- b) Clinical indications of percutaneous cholecystostomy and choice of access sites. [4]
- c) What are the advantages and disadvantages of right sided versus left sided PTBD procedure? [3]