

National Board of Examinations

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

Group Number :	1
Group Id :	3271871537
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 :	3271871540
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 : 3271871544

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 1 Question Id : 32718714562 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. a) Discuss Microwave vs Radiofrequency ablation techniques. [5]
- b) Describe irreversible electroporation technique and its applications. [5]

Question Number : 2 Question Id : 32718714563 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) What are the types of biliary drainage procedures? [3]
- b) Discuss some Tips and Tricks of biliary drainage procedure. [4]
- c) Discuss the complications of PTBD. [3]

Question Number : 3 Question Id : 32718714564 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss the classification of aortic dissections.and role of CT angiography in planning IR hardware. [5]
- b) Describe Hybrid procedure in Stanford A aortic dissection and role of Interventional Radiologist. [5]

Question Number : 4 Question Id : 32718714565 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss various causes of chylothorax. [3]
- b) Discuss various techniques of lymphangiography. [3]
- c) Discuss various IR techniques used in management of chylothorax. [4]

Question Number : 5 Question Id : 32718714566 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss the classification of pulmonary AVM's. [3]
- b) What are CIRSE practice guidelines of treatment of Pulmonary AVM's? [3]
- c) Discuss the embolising agents and technique used in the treatment of pulmonary AVM's. [4]

Question Number : 6 Question Id : 32718714567 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) What is HVPG and how it is measured? [3]

- b) Discuss the various pitfalls of HVPG measurement. [3]
- c) Discuss the indications and technique of transjugular liver biopsy. [4]

Question Number : 7 Question Id : 32718714568 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss the angiosome concept. [3]
- b) Discuss the CIRSE guidelines for below knee arterial interventions. [4]
- c) Add note on drug eluting balloon catheters. [3]

Question Number : 8 Question Id : 32718714569 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss the technique and indications of Geniculate artery embolisation [3]
- b) What are the technical challenges and embolising agents used in this procedure. [4]
- c) What are the complications of this procedure. [3]

Question Number : 9 Question Id : 32718714570 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss the obstetric indications of Uterine artery Embolisation and role of IR in morbidly adherent placenta (UAE). [6]
- b) Discuss the technique of UAE in the treatment of uterine AVM. [4]

Question Number : 10 Question Id : 32718714571 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss various types and indications of ganglion blocks. [3]
- b) Describe the technique of celiac axis block. [4]
- c) Discuss the complications of the ganglion blocks. [3]