

National Board of Examinations

Question Paper Name :	DrNB INTERVENTIONAL RADIOLOGY Paper3
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DrNB INTERVENTIONAL RADIOLOGY Paper3

Group Number :	1
Group Id :	3271872085
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 Paper3

Section Id :	3271872088
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 :	3271872092
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718720582 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. Neuro Interventions:

- Discuss the classification of carotid cavernous fistula (CCF). [4]
- Describe the technique and hardwares used in endovascular management of CCF. [6]

Question Number : 2 Question Id : 32718720583 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Role of Interventional Radiology in liver transplant:

- Doppler evaluation in post liver transplant patient. [3]

- b) Describe various complications after liver transplant. [4]
- c) Discuss about endovascular management of hepatic artery thrombosis. [3]

Question Number : 3 Question Id : 32718720584 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 acute stroke:

- a) How to establish Stroke Unit and Stroke Centre for the management of acute stroke? [4]
- b) Mechanical thrombectomy techniques used in the management of stroke. [6]

Question Number : 4 Question Id : 32718720585 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Spinal interventions:

- a) Discuss the imaging approach to compression vertebral fracture. [3]
- b) Discuss the various interventional radiological methods used in management of such fractures. [4]
- c) Discuss about the contraindications and complications of vertebroplasty. [3]

Question Number : 5 Question Id : 32718720586 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Head and Neck Interventions:

- a) Discuss about carotid blow out syndrome : Definition, predisposing factors and incidence. [5]
- b) Discuss about endovascular management of carotid blow out syndrome. [5]

Question Number : 6 Question Id : 32718720587 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Spinal vascular interventions:

- a) Discuss about angiographic classification of spinal arteriovenous malformations. [5]
- b) Discuss about various angiographic techniques of management of spinal arteriovenous malformations. [5]

Question Number : 7 Question Id : 32718720588 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Neurointerventions:

- a) Discuss about the classification of intracranial aneurysms. [4]
- b) Discuss about the criteria for management of unruptured intracranial aneurysms. [6]

Question Number : 8 Question Id : 32718720589 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Clinical practice:

- a) Discuss about neurointerventional radiology for the aspiring radiology resident: current state of the field and future directions. [6]
- b) Discuss about the challenges in practice of neurointervention. [4]

Question Number : 9 Question Id : 32718720590 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) Flow diverters. [3]
- b) Vascular plugs. [4]

c) Absolute alcohol. [3]

Question Number : 10 Question Id : 32718720591 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Vertebral interventions:

- a) Discuss about imaging of vertebrobasilar dissections. [3]
- b) Discuss about algorithm for the management of vertebrobasilar dissections. [3]
- c) Discuss about endovascular management of vertebrobasilar dissecting aneurysms. [4]