

National Board of Examinations

Question Paper Name : DrNB INTERVENTIONAL RADIOLOGY Paper1
Subject Name : DrNB INTERVENTIONAL RADIOLOGY Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740984 Consider As Subjective : Yes

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

- Elaborate the importance of preprocedural check list with regards to endovascular procedures. [4]
- How to optimize a patient with diabetic nephropathy for angiography? [3]
- How to optimize a patient with deranged coagulation profile for an angiography? [3]

Question Number : 2 Question Id : 32718740985 Consider As Subjective : Yes

- Describe the angiographic anatomy of ophthalmic artery. [3]
- Elaborate the embryological basis of variations of ophthalmic artery. [3]
- How to prevent vision loss in vascular interventional radiological procedures of head and neck and the brain? [4]

Question Number : 3 Question Id : 32718740986 Consider As Subjective : Yes

- a) Describe the various techniques and indications of CT guided biopsy of lung. [5]
- b) Describe the various complications with their management which may occur during image guided lung biopsy. [5]

Question Number : 4 Question Id : 32718740987 Consider As Subjective : Yes

- a) What are the adverse effects of use of iodinated contrast media? [3]
- b) What is contrast induced nephropathy and outline its management. [4]
- c) Describe the premedication protocols to be used in a case of known contrast allergies. [3]

Question Number : 5 Question Id : 32718740988 Consider As Subjective : Yes

- a) Draw a diagram of the coagulation cascade. [3]
- b) What are the differences between anticoagulants and antiplatelets? [4]
- c) Heparin induced thrombocytopenia - definition and types. [3]

Question Number : 6 Question Id : 32718740989 Consider As Subjective : Yes

- a) Describe the various stochastic and non stochastic effects of radiation exposure. [5]
- b) What are the steps to be adhered to maximise radiation protection in a DSA suite for the patient and operator/staff? [5]

Question Number : 7 Question Id : 32718740990 Consider As Subjective : Yes

- a) What key elements must be included when obtaining informed consent for an interventional radiology (IR) procedure? [4]
- b) How should a radiologist approach consent taking for an urgent IR procedure when the patient is incapacitated and no surrogate decision-maker is immediately available? [3]
- c) In what situations is it necessary to re-consent a patient for an IR procedure, and why? [3]

Question Number : 8 Question Id : 32718740991 Consider As Subjective : Yes

- a) How to clinically evaluate a patient of suspected prostate cancer? Which laboratory & imaging investigations are used for evaluation? [3]
- b) Advantages & disadvantages of transperineal prostate biopsy versus transrectal prostate biopsy. [4]
- c) Describe the hardware required for transperineal and transrectal prostate biopsy. [3]

Question Number : 9 Question Id : 32718740992 Consider As Subjective : Yes

- a) Describe the modified Seldinger technique of vascular access. [5]
- b) Various arterial access techniques (sites, hardware, advantages/disadvantages). [5]

Question Number : 10 Question Id : 32718740993 Consider As Subjective : Yes

- a) What is the initial management of a patient presenting with massive upper gastrointestinal bleeding? [3]
- b) What are the causes of massive hematemesis in a patient presenting in casualty? [4]
- c) Compare surgery vs interventional radiology guided procedures in management of massive hematemesis. [3]