

National Board of Examinations

Question Paper Name :	DrNB Vascular Surgery Paper1
Subject Name :	DrNB Vascular Surgery Paper1
Creation Date :	2025-01-17 20:02:56
Duration :	180
Total Marks :	100
Display Marks:	No
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Vascular Surgery Paper1

Group Number :	1
Group Id :	3271872869
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DrNB Vascular Surgery Paper1

Section Id :	3271872872
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872876
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718729974 Question Type : SUBJECTIVE Consider As Subjective : Yes

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 diabetic patient underwent conventional angiography of abdominal aorta and lower limbs. His urea and creatinine have risen after the procedure:

- Discuss the aetiologies for the rise of renal parameters. [4]
- How will you manage him? [4]
- What are the precautions taken in these subsets of patients to avoid these complications? [2]

Question Number : 2 Question Id : 32718729975 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

What is intimal hyperplasia and its various stages? What are the current strategies to counter it in clinical practice? [5+5]

Question Number : 3 Question Id : 32718729976 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A patient has undergone a femoro-popliteal bypass using reversed great saphenous vein. He wants to quit smoking. How will you assist him? What are the detrimental mechanisms of smoking in such a case? [5+5]

Question Number : 4 Question Id : 32718729977 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 35-year-old lady presents with episodes of pallor and cyanosis involving fingers of both hands during winter months. Bilateral radial and ulnar pulses are palpable.

- What is the likely diagnosis? [2]
- Briefly explain the normal blood flow regulation in digits. [3]
- How will you evaluate this patient. [2]
- How will you manage this patient. [3]

Question Number : 5 Question Id : 32718729978 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A patient underwent radio-cephalic arteriovenous fistula for hemodialysis. Describe the hemodynamics of its maturation. When is a AVF fit for dialysis? [8 +2]

Question Number : 6 Question Id : 32718729979 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 25-year-old male met with a road traffic accident. He suffered penetrating abdominal injury and was not responding to resuscitative measures and had to be taken to OT without the CT scan by the surgeon on duty. The surgeon observed the retroperitoneal hematoma and called for help of a vascular surgeon.

- a) With help of a diagram, highlight retroperitoneal vascular zones. [2]
- b) Describe various maneuvers to control the aorta. [3]
- c) Describe maneuvers to expose various retroperitoneal vascular zones. [3]
- d) How will you manage bleeding from infrarenal IVC? [2]

Question Number : 7 Question Id : 32718729980 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 60-year-old male, a reformed smoker and a known coronary artery patient presented with pain abdomen and weight loss of 8 kg over past 5 months. His USG abdomen, tumour markers for malignancy, thyroid profile and upper GI endoscopy are normal.

- a) How will you evaluate him? [3]
- b) Discuss the various management modalities.[4]
- c) How will you follow him up? [3]

Question Number : 8 Question Id : 32718729981 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 35-year-old unskilled worker reported with increasing left upper limb swelling of 5 days duration after an unaccustomed overhead activity in a new job. There is no history of trauma, fever or evidence of infection or joint pathology.

- a) What is the likely diagnosis? [1]
- b) What is the likely anatomical pathology? [2]
- c) Draw a relevant diagram to show the relevant anatomy. [2]
- d) How will you manage him? [5]

Question Number : 9 Question Id : 32718729982 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

When dealing with radiation safety, define the following:

- a) Absorbed dose. [2]
- b) Equivalent dose. [2]
- c) Effective dose. [2]
- d) Types of biologic effects of radiation. [4]

Question Number : 10 Question Id : 32718729983 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What is the common statistical method used to assess the patency rates of grafts? Describe it briefly. [6]
- b) What is meant by primary patency, assisted patency and secondary patency? [4]