1. Define critical lower limb ischemia? Describe the management of critical limb ischemia. What are the early and late clinical outcomes of treating critical limb ischemia? 2+5+3

2. Describe various clinical signs used to diagnose Thoracic outlet syndrome. How do you treat a patient with complete cervical rib, post stenotic dilatation and distal embolizations? 4+6

3. Describe different types of endovenous thermal ablations (EVTs) methods for treating varicose veins. Discuss the early and late clinical outcomes and compare them with standard surgical procedures. 5+5

4. Discuss the role of Carotid endarterectomy for carotid stenosis in the endovascular era. Discuss its early and late complications. 5+5

5. Describe and discuss open repair of juxta renal aortic aneurysm. How do you protect kidney circulation in such patients? Discuss other options of treatment. 5+2+3

6. Discuss the role of thrombolytic therapy in peripheral arterial disease. Discuss various thrombolytic agents. 5+5

7. Describe different types of arterial/venous injuries associated with the complex pelvic fractures. How do you manage these pelvic vascular injuries with profuse bleeding or critical limb ischemia? 4+6

8. How do you classify vascular graft infections? Discuss various methods used to prevent it. How do you treat an infected aortobifemoral graft? 3+3+4


10. What are the different types of stents available for peripheral vascular disease? Discuss the role of various stents in treating below knee peripheral vascular disease. 5+5

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