Endovascular Treatment of Aorto-caval Fistula

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We discuss the endovascular management of an 87 year old lady who presented with a ruptured abdominal aortic aneurysm, complicated by an aorto-caval fistula, under local anaesthesia.

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Carotid Artery Pseudoaneurysm after Carotid Endarterectomy and Bovine Pericardial Patch Angioplasty: Case Report

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Synthetic patch infection and pseudoaneurysm are rare but recognised complications of carotid endarterectomy (CEA). We describe a case of bovine patch infection with Serratia marcescens with acute pseudoaneurysm formation following CEA. Successful interposition vein graft was performed.

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Open Surgical Repair of an Iatrogenic Popliteal Arteriovenous Fistula with Proximal Arteriomegaly: A Case Report

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Introduction: The incidence of iatrogenic arteriovenous fistulas (AVFs) has increased recently. Early diagnosis and treatment can prevent major complications such as arteriomegaly.

Report: We report the case of a 30-year-old man who presented a long-standing popliteal AVF leading to iliac and femoral arteriomegaly. Fourteen years ago, he had undergone open reduction and internal fixation for a supracondylar femur fracture. A two-phase surgery was performed successfully. In phase 1, the Kirschner wire was removed and the arterial wall defect was closed by direct suture. Phase 2 was performed to repair the arteriomegaly.

Discussion: Open repair is the best therapeutic option in this patient, although it has the risk of erectile nerve damage.

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Case Report: Delayed Diagnosis of Mesenteric Artery Rupture

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Introduction: Aneurysms of the superior mesenteric branch arteries are rare. The natural history is unknown and there is no consensus on management. We report a case of right colic artery aneurysm rupture.

Report: A 70-year-old male presented with a two week history of right flank pain and syncope. On admission he was hypotensive, but responded to fluid resuscitation and was discharged after a two day observation period. He attended his family doctor with bruising in the right groin and abdominal distension. CT confirmed a 2 cm aneurysm arising from a branch of the right colic artery with a large associated haematoma and active extravasation.

Discussion: Mesenteric artery aneurysms are rare and often misdiagnosed. Management options include embolisation or open surgery. The mesentery can act to tamponade in some cases resulting in a delayed diagnosis of rupture.

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Flap Protrusion after Carotid Artery Stenting (CAS) Detected by Intravascular Ultrasound: A Potentially Valuable Technique following CAS

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Introduction: Intravascular ultrasound (IVUS) can be used as a quality control technique following carotid artery stenting (CAS).

Report: An asymptomatic 79-year-old female, with 70% right internal carotid artery (ICA) stenosis, underwent CAS. ICA IVUS evaluation was...