

Neck and upper extremity pseudoaneurysms

Introduction:

Traumatic pseudoaneurysm can occur in any vascular territory. A collection of traumatic and post gunshot pseudoaneurysms are presented in the Common, External and Internal carotid, Subclavian, axillary, Brachial, and Ulnar arteries. These cases were treated with stentgraft placement and some with embolization and thrombin injections. AVF was present in some of them.

Material and Methods:

A collection of 10 cases (5 for neck and 5 for UE) were revised and presented here. All cases were a gunshot and bomb blast victims. 3 cases were treated as emergency and life saving cases due to expanding neck and upper chest hematoma. Others were treated electively for AVF, Pulsatile mass, Limb swelling, digit emboli or facia swelling and hotness.

CT scan was done and confirm the diagnosis and was revised for IR procedure planning. Using covered PTFE graft stents was used in most of cases, percutaneous Thrombin injection was used in a forearm pseudoaneurysm combined with angiography, and one Ulnar artery was embolised for the pseudoaneurysm closure.

Result:

Nearly all planned cases was done successfully and patients symptoms improved dramatically on follow up. The critical cases were treated successfully and extubated on the second day and were discharged from ICU and ward within a week,

Conclusion:

IR build a curative and bridging speciality to save life in surgically difficult situation.

