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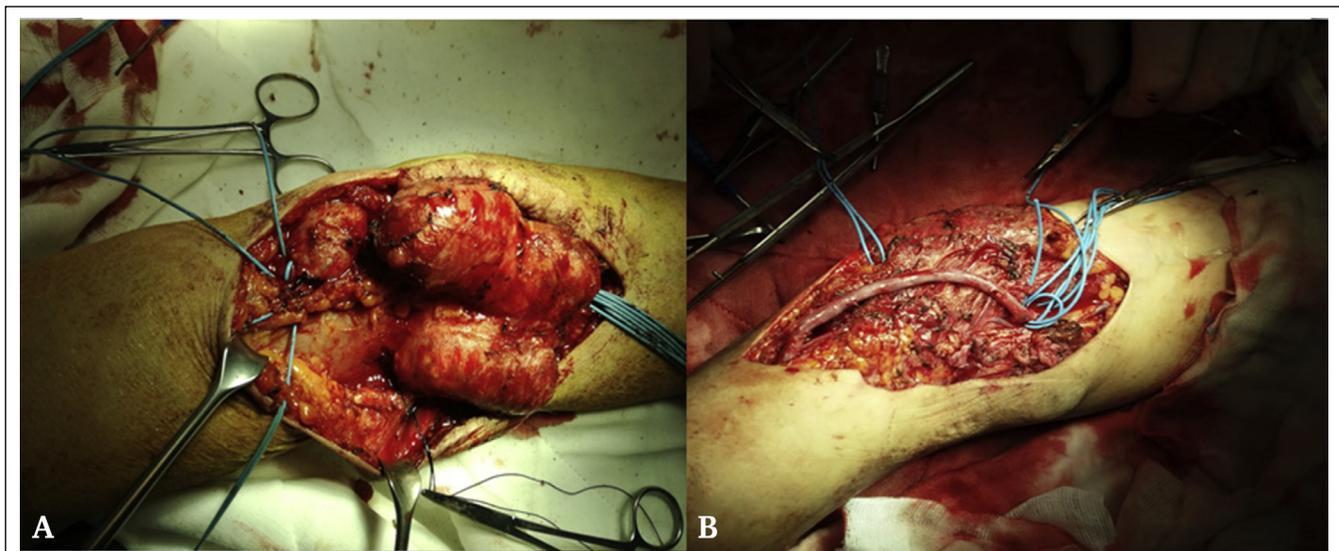
COUP D'OEIL

Surgical Management of a Total Arteriovenous Fistula Aneurysm

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A 40 year old female with dialysis dependent end stage renal failure complained of right arm pain at the level of her brachiocephalic arteriovenous fistula which was no longer in use. The cephalic vein was aneurysmal (3 cm diameter) and completely thrombosed at the level of the dialysis puncture site. The brachial artery was also aneurysmal (4 cm diameter) with monophasic distal flow. Proximal and distal brachial artery control was established and all the aneurysmal segments of brachial artery and cephalic vein were excised. A proximal to distal brachial artery bypass using autologous vein was performed. The pain resolved after surgery.

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