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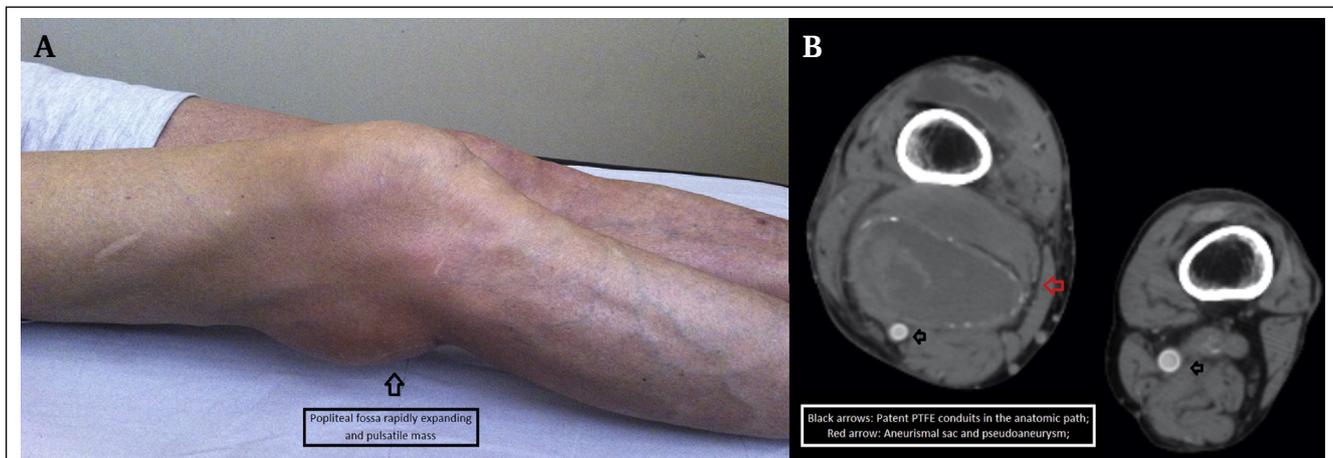
COUP D'OEIL

“Type II Endoleak” and Popliteal Artery Aneurysm Rupture after Surgical Repair

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A 79 year old man underwent popliteal artery aneurysm (PAA) exclusion and bypass by a medial approach. Seven years later he was admitted with a rapidly expanding mass in the right popliteal fossa with no symptoms/signs of limb ischaemia (panel A). Computed tomography angiography revealed a contained PAA rupture with pseudo-aneurysm development and a patent (prosthetic) conduit (panel B). Via a posterior approach, back flowing collaterals were underrun and the haematoma was drained. Post-operatively, the patient recovered uneventfully. Continued perfusion of the PAA sac through collaterals resulted in its continued pressurisation (similar to type II endoleak after endovascular aneurysm repair) and rupture with massive acute pseudo-aneurysm expansion, as recognised in this scenario.

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