



The purpose of this case report was to describe our experience in creating a prosthetic graft between left femoral artery and right femoral vein in a patient with history of central venous occlusion and bilateral femoral neck fracture” Wang et al (2019).

Abstract:

RATIONALE: As survival prospects improve for long-term patients with hemodialysis, it is common for patients to exhaust all upper extremity access options before other avenues need exploration. The purpose of this case report was to describe our experience in creating a prosthetic graft between left femoral artery and right femoral vein in a patient with history of central venous occlusion and bilateral femoral neck fracture.

PATIENT CONCERNS: A female patient with hemodialysis exhausted all upper extremity access options along with bilateral femoral neck fracture.

DIAGNOSES: Patients with end-stage renal disease exhausted all upper extremity access options.

INTERVENTIONS: We performed a left femoral artery to right femoral vein dialysis access utilizing a prosthetic graft and autologous cephalic vein.

OUTCOME: The graft was used for hemodialysis 3 weeks after the operation. There was no

edema of the lower extremity through the immediate postoperative period as well as at follow up. The patient has been using the access for 9 months with no complication of thrombosis, infection, or bleeding.

LESSONS: Prosthetic graft between the left femoral artery and right femoral vein is a simple, safe and novel approach to creating lower extremity access. This method could be a viable means of hemodialysis access in selected patients.

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Reference:

Wang, J., Li, J., Sun, J., Xin, J. and Lei, W.H. (2019) A left femoral artery to right femoral vein bypass graft for hemodialysis access: A case report. *Medicine*. 98(5), p.e14268.

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