POSTER PRESENTATION

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Crural-to-Crural/ Pedal Bypasses A reasonable alternative in challenging cases and times Yasmeen Gouda1, Abdullah Thawabeh 1, R Gambhir1, M Edmonds2, D Valenti1, H Slim1

INTRODUCTION

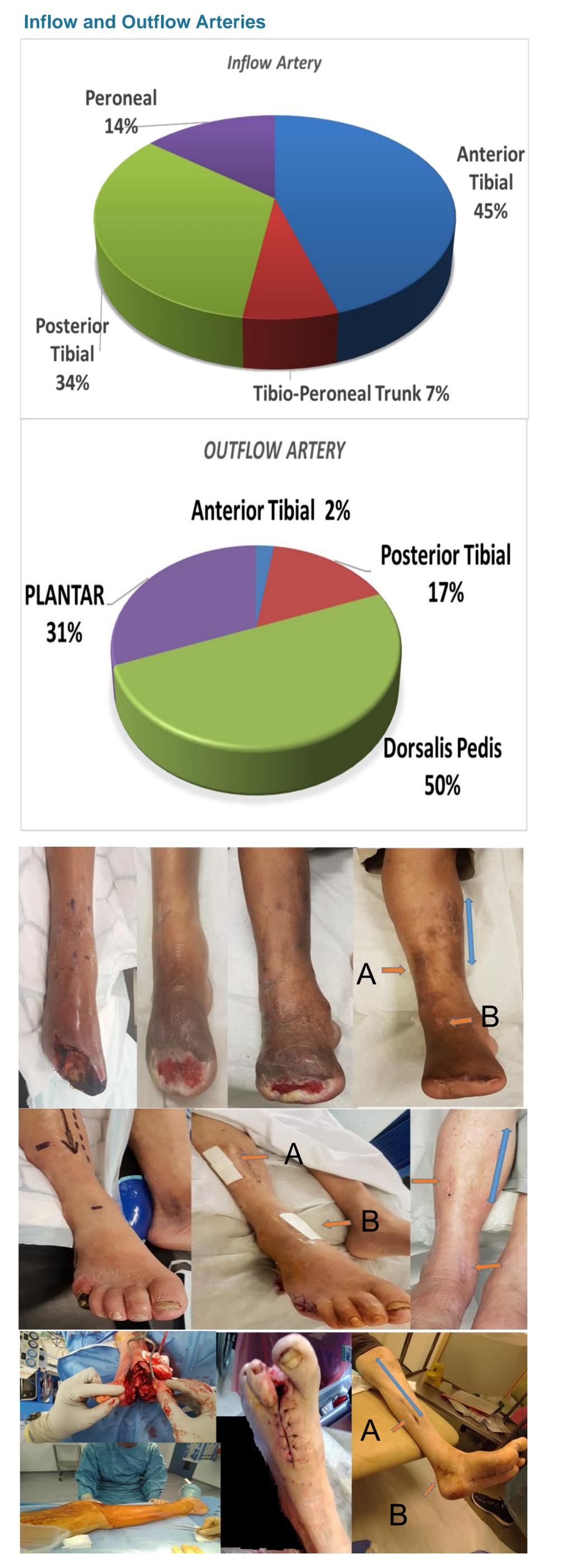
The efficacy of distal and pedal bypasses originating from femoral and popliteal artery as an inflow has been well documented throughout the literature.

AIM

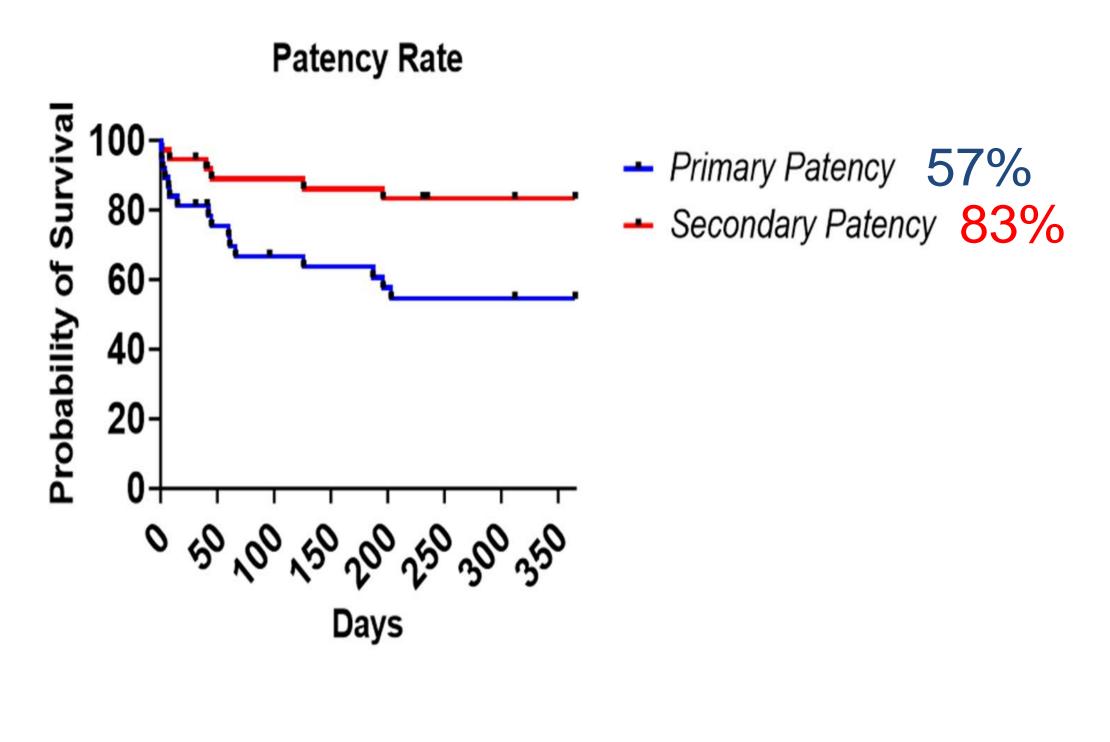
The aim of this study is to assess using the crural vessels as inflow for crural and pedal bypasses in patients with Critical limb ischemia (CLI).

METHODS

All patients with CLI between 2015 and 2019 undergoing Crural-Crural/Pedal bypasses were included. All grafts were recruited in to graft surveillance program. Threatened grafts were offered salvage angioplasty. The primary end-points were; 30 day mortality, limb salvage



Kaplan Meier graph for Patency rates at 1 year

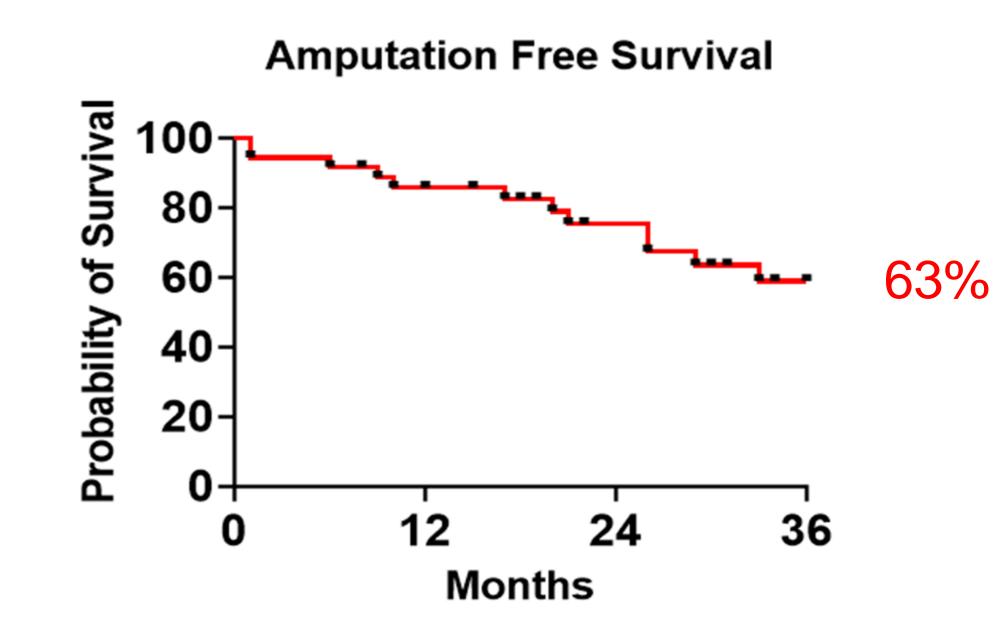


Kaplan Meier graph for Amputation free survival rate at 36 months

and patency rates.

RESULTS

Forty two consecutive patients (Table 1) with CLI Crural-Crural/Pedal 42 bypasses. underwent Autogenous vein was used in all grafts. Inflow Hybrid I angioplasty was required in 15(36%) cases. 14(33%) bypasses were done under local anesthesia. Indication for bypasses were: gangrene in 22(52%), tissue loss in 14(33%), trauma in 2(5%) and acute on chronic leg ischemia in 1(2%) cases. For inflow and outflow arteries see figure (1). 15(36%) threatened grafts were detected on graft surveillance program and had a total of 35 salvage angioplasties. The 30-days mortality rate was 2% (1 patient) this was a poly-trauma patient and died from Multi-organ failure. Overall 1 year mortality rate was 10%(4 patients). 2 patients underwent major amputations. The first, at 2 month following distal embolization post Femoral false aneurysm thrombin



CONCLUSIONS

Crural-Crural/pedal bypass is a feasible and reliable option in selected patients. Medium term results showed good outcome with good patency and high limb salvage rates. In high risk patients this procedure can performed under local anaesthetic. Graft be surveillance is essential in detecting threatened grafts

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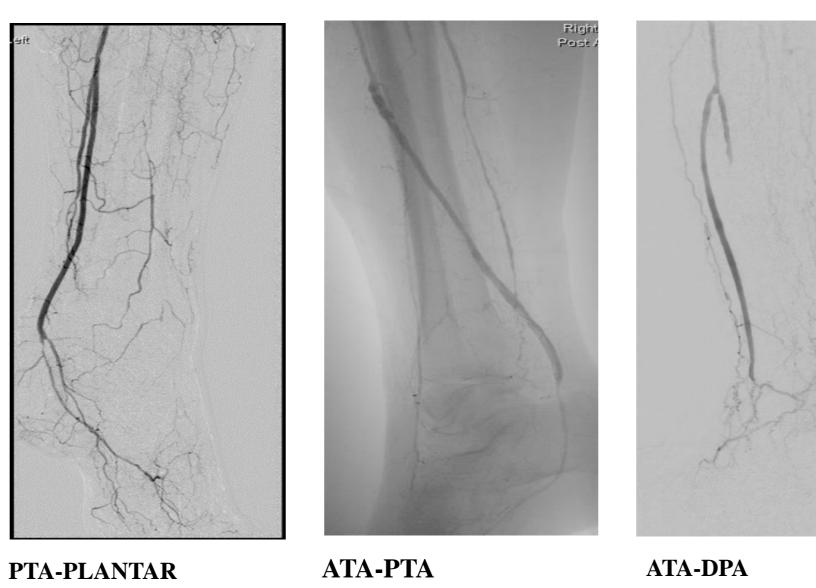
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injection. The second, at 6 month

Patients' Demographic Data

Patients	n=42
Men	30 (71%)
Median age (range)	65yr (26-87)
Diabetes mellitus	38 (90%)
Chronic renal failure	16 (38%)
IHD	18 (43%)
Hypertension	28 (67%)
Smokers/Ex-smokers	22 (52%)

A- Site of Proximal anastomosis B- Site of distal anastomosis Blue arrow indicates GSV harvested



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