Vascular Access construction.
A constant creative attitude is required

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Disclosure

Speaker name:

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I have the following potential conflicts of interest to report:

☐ Consulting

☐ Employment in industry

☐ Stockholder of a healthcare company

☐ Owner of a healthcare company

☐ Other(s)

☐ I do not have any potential conflict of interest
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INTRODUCTION

Creating and maintaining a functional vascular access (VA) is a critical factor in the survival of a dialysis patient

To achieve that goal, it implies a creative attitude from a multidisciplinary team (vascular surgeon, nephrologist and haemodialysis nurse) either to maintain its functionality or built a new one wherever possible, being it autologous or synthetic.
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CLINICAL CASE

2012

59-years-old - male

Failed attempts in both forearms of a radio-cephalic fistula, until a functional brachiocephalic artery-venous fistula (AVF) in the right upper limb was achieved.
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Development of severe venous hypertension secondary to central venous disease related to previous CVC use.
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Harvest of a deemed right cephalic vein and translocation to the left arm, between the brachial artery and axillary vein (AV).
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Hybrid graft (HG) between the left brachial artery and the AV
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2015

Graft stenosis
PTA (poba)
Segmental Graft deterioration

Thrombosis
Thrombectomy
Segmental PTFE substitution
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Significant diffuse prosthesis deterioration

Total graft substitution with an early canulation graft, preserving the outflow stented segment of the HG, allowing its use for hemodialysis on the following day with no intercurrences registered.
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DISCUSSION

CVC’s are related with poorer dialysis quality and patient survival. Hence, fighting for any other functional access is very important.

Once faced with no more feasible direct autologous access, there is a wide range of complex autologous fistulas that we can do with vein translocations.

When no more native vessel can be used for puncture, we still have a wide armamentarium (normal grafts, ECG or HG) that should be considered according to patient specifications.
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Thank You!!

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