

The logo for LINC (Linha de Inovação em Neurocirurgia) features the letters 'LINC' in a white, sans-serif font. The letters are positioned over a stylized graphic of three curved, overlapping brushstrokes in dark blue, red, and yellow.

Vascular Access construction. A constant creative attitude is required

Pedro Pinto Sousa¹; Paulo Almeida²; Rui Almeida² ; Pedro Sá Pinto²

1 - Centro Hospitalar Vila Nova de Gaia/Espinho

2 - Centro Hospitalar do Porto

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

Vascular Access construction. A constant creative attitude is required



MD. Pedro Pinto Sousa – Centro Hospitalar Vila Nova de
Gaia/Espinho

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

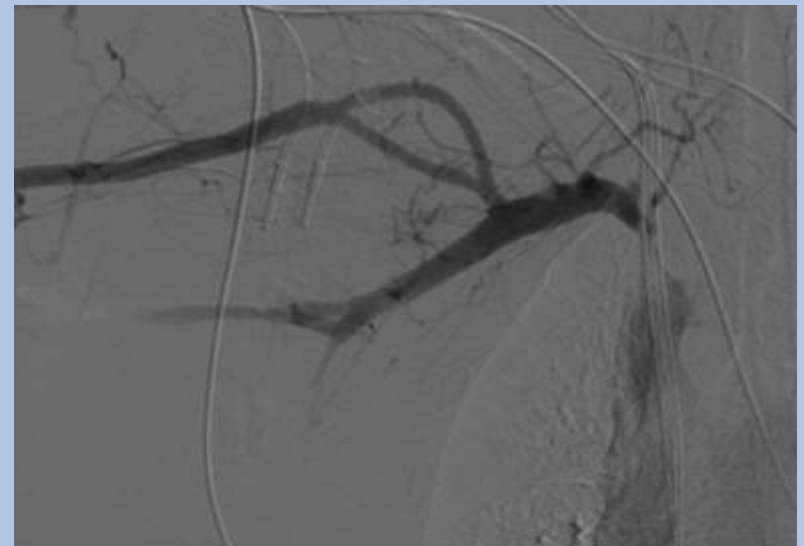
Failed attempts in both forearms of a radio-cephalic fistula, until a functional brachiocephalic artery-venous fistula (AVF) in the right upper limb was achieved.

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2013

Development of severe venous hypertension secondary to central venous disease related to previous CVC use.



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2013

Harvest of a deemed right cephalic vein and translocation to the left arm, between the brachial artery and axillary vein (AV).



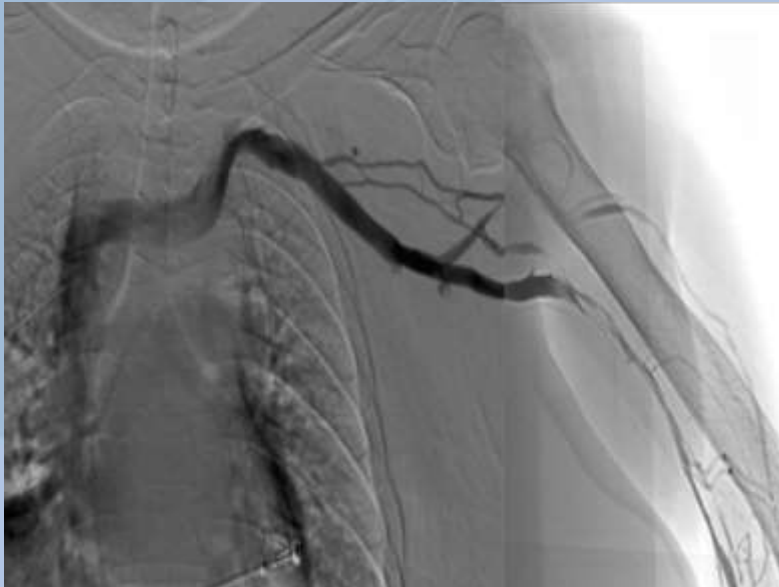
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2014

Hybrid graft (HG) between the left brachial artery and the AV



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2015

Graft stenosis

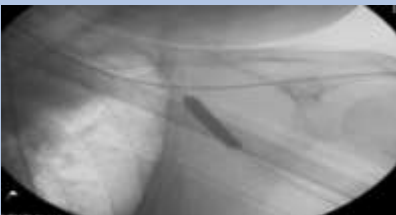
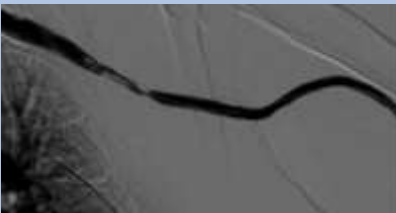
Thrombosis

Segmental Graft deterioration

PTA (poba)

Thrombectomy

Segmental PTFE substitution



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2017

Significant diffuse prosthesis
deterioration



Total graft substitution with an
early cannulation 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.

The logo consists of three curved, brushstroke-like shapes in dark blue, red, and yellow, with the letters 'LINC' in white capital letters overlaid on the top left.

LINC

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Thank You!!

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