

# i-MEET

## NEXT GENERATION

Multidisciplinary European Endovascular Therapy



Jorge  
Fernandez  
Noya, MD.

## *Clinical Case: BTK DES*

Complejo Universitario de  
Santiago de Compostela.  
CHUS. Spain



2nd -3rd June 2016 .

ENDOVASCULAR  
FOUNDATION

## Case report: Fontaine III CLI

74 years Old Male

Diabetes mellitus

Moderate chronic  
renal disease

Previously  
asymptomatic

## Case report: Fontaine III CLI

### Vascular examination:

Femoral pulse +

Popliteal pulse +

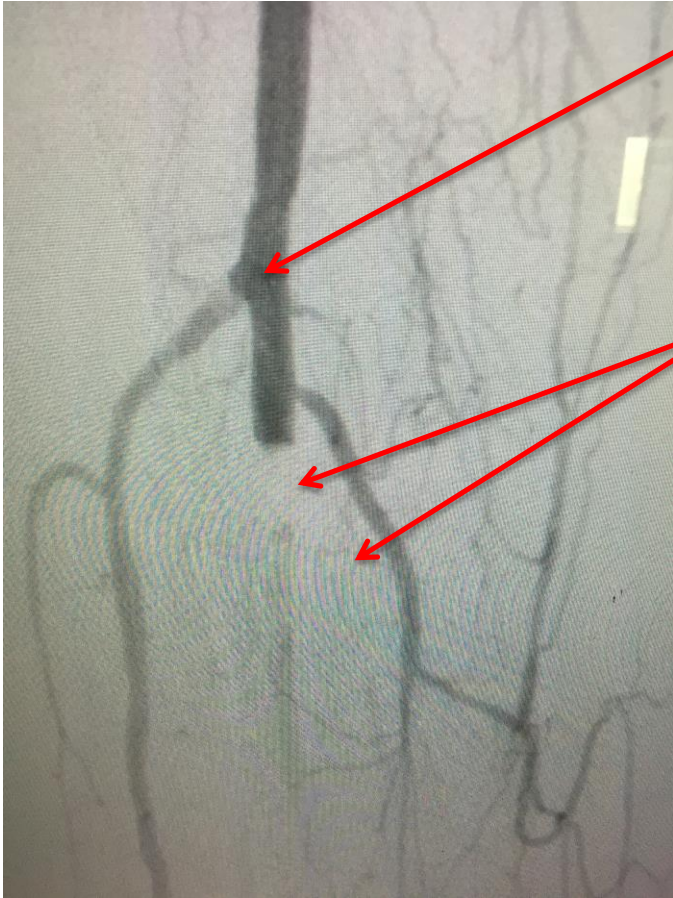
Distal pulse -

Our usual approach to BTK CLI: Diagnostic angiogram with a intention-to-treat strategy, based on angiogram findings.

## Case report: diagnostic angiogram

ATA ostium stenosis

Peroneal/posterior tibial artery occlusion





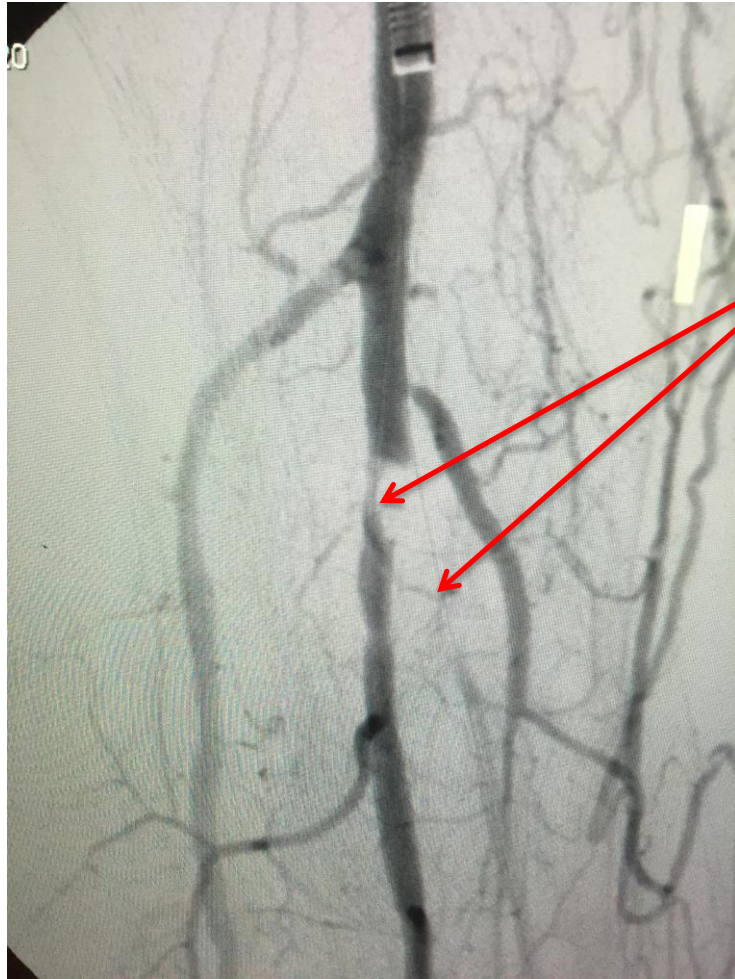
## Case report: diagnostic angiogram



ATA DCB angioplasty (3.5 x 20 mm Luminor iVascular)

Peroneal/posterior tibial artery cannulation and 0.014" wires in place for kissing balloon

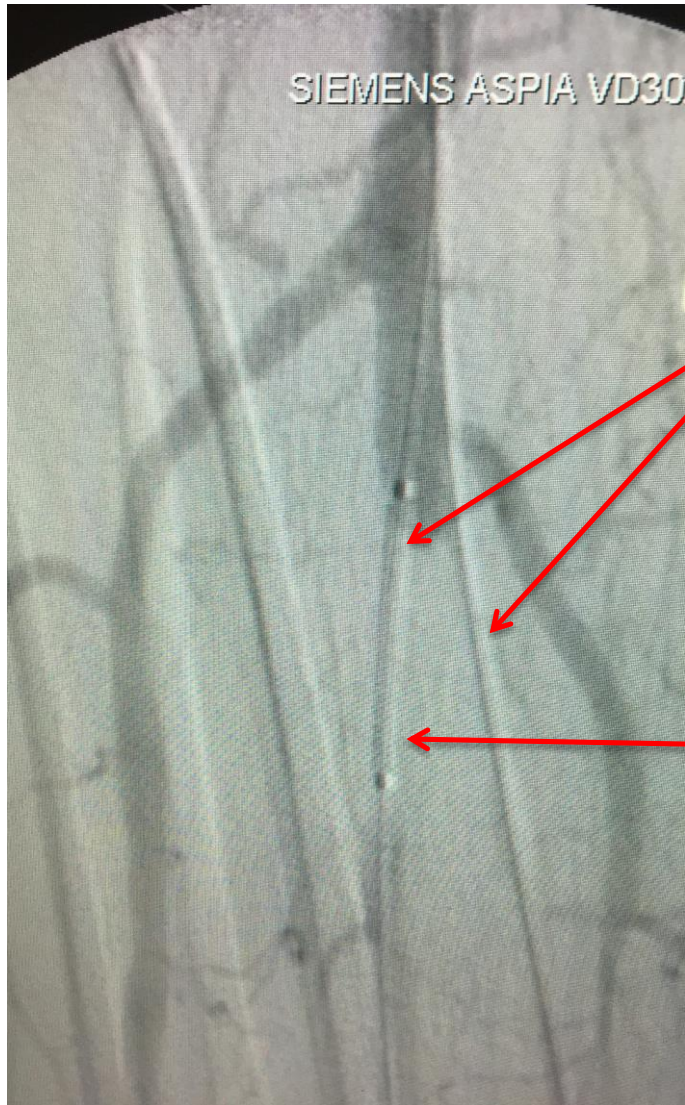
## Case report: results after Angioplasty



Peroneal/posterior tibial  
artery residual  
stenosis/spasm

reDo PTA

## Case report: results after reAngioplasty

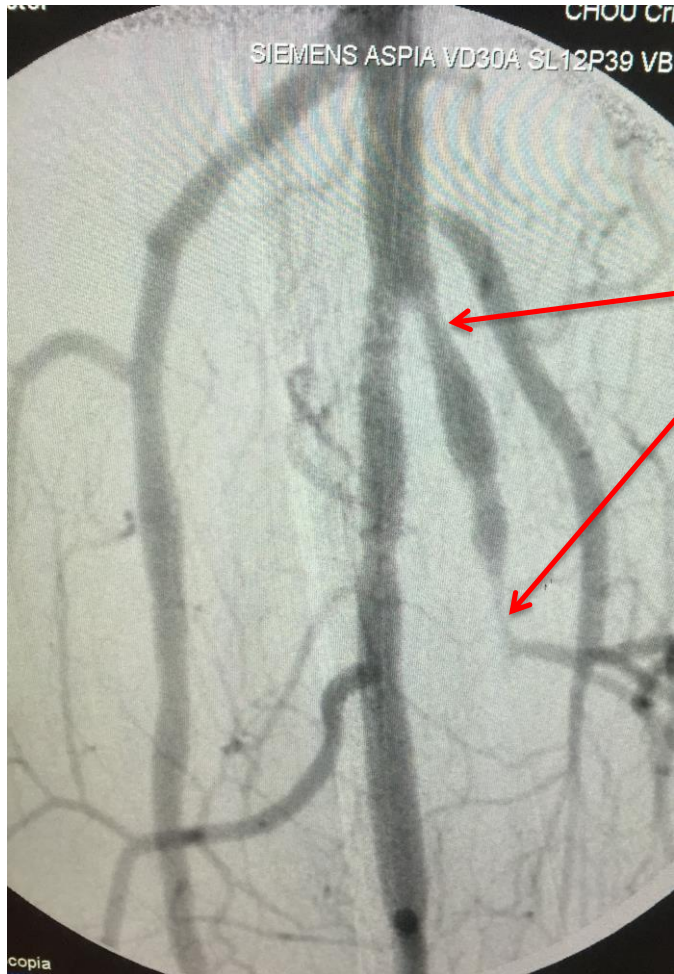


Peroneal/posterior tibial  
artery residual  
stenosis/spasm

4x27 mm DES in Peroneal artery



## Case report: results after Peroneal DES



Posterior tibial artery residual stenosis & distal spasm

Local heparin 1000 ui +  
100000 ui Uk + 200 mcg  
nitroglicerine



## Case report: results after reAngioplasty



Posterior tibial artery residual stenosis

3 x 27 mm DES (Biomime coronary DES)

## Case report: final results after DES



Posterior tibial artery residual spasm (distal to DES)

## Case report: clinical results



Patient discharged 24 h later

No rest pain or complication at discharge

Peroneal and Posterior tibial arteries patent at 6 months US follow up

Clinical benefit maintained 6 months after procedure with no redo interventions



## Case report: some comments

A combination of BTK CTO techniques are many times required to achieve a final good result

Always try to recover as much distal run off as possible when dealing with CLI situations

Drug eluting technologies are available to increase treatment patency