Percutaneous Revascularization of Peripheral Chronic Total Occlusion with DEB

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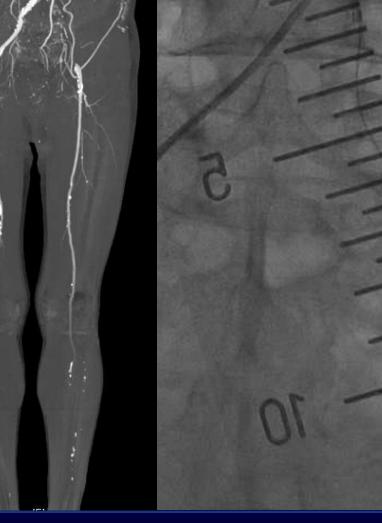


81/M KKS #5818797

- Chief Complaint:
 - Right leg claudication, Rutherford 3 (1 month)
- P/Hx
 - Atrial fibrillation
 - CAD(2VD), on medical Tx
 - PAD- total occlusion of Lt. CIA
 s/p PTA c stent at Lt. CIA- CFA (2010.9.14)
- Risk factors:
 - Hypertension (+) / Diabetes (+) / Dyslipidemia (+)
 - Smoking (-)
 - Chronic kidney disease (+)



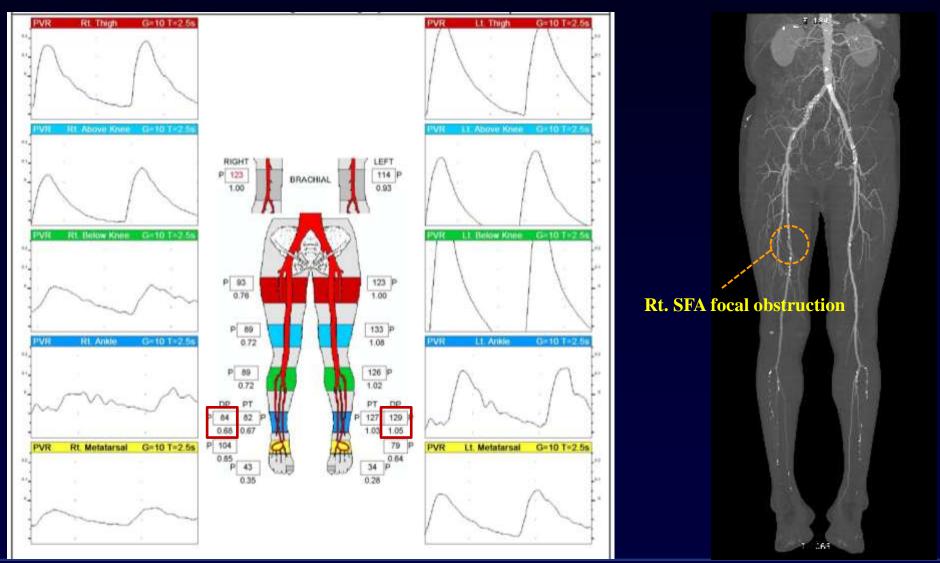
PTA c Stent at Lt. CIA- CFA (2010.9.14)



Smart 8x150mm



Initial PVR & lower ext. CT

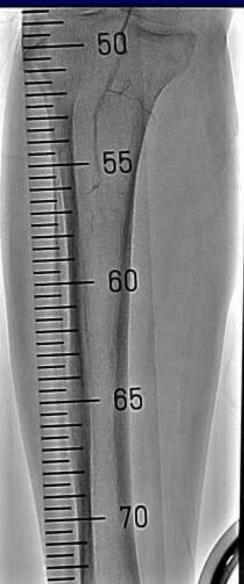


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Initial angiography (Contralateral retrograde)





Total occlusion of right ATA



What is next treatment ?

Medical treatment

Balloon angioplasty

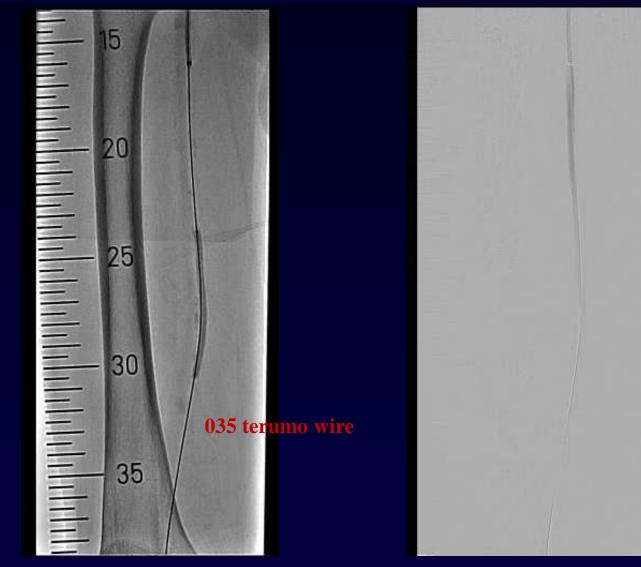
Balloon angioplasty and another stent

Bypass Surgery

Drug Eluting Balloon



Balloon angioplasty at mid SFA & FU angio



Balloon: Evercross 4*80

About 50% residual stenosis



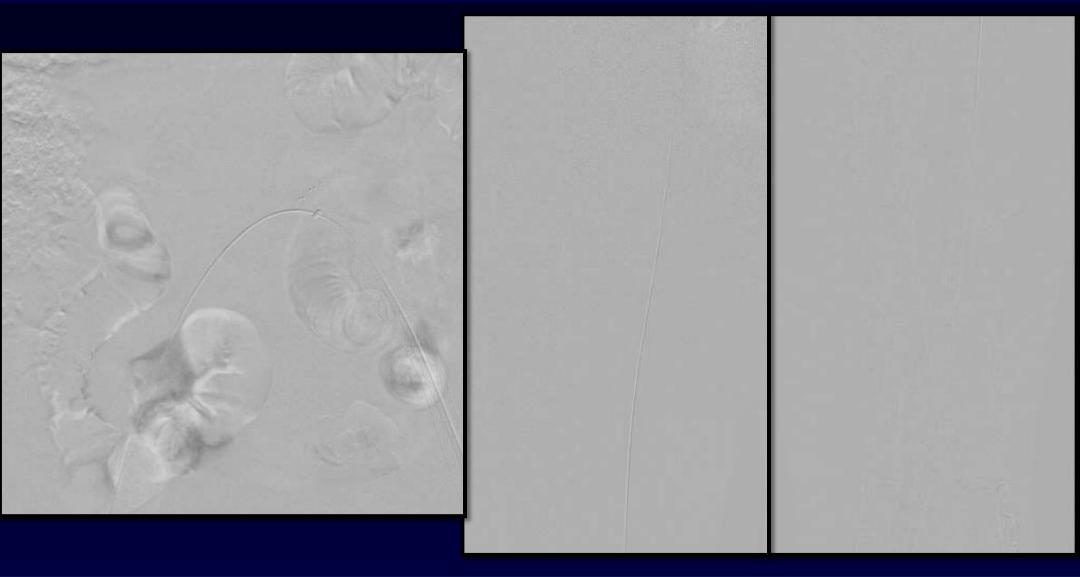
Balloon angioplasty with DEB at mSFA



DEB: INPACT Admiral 5x120

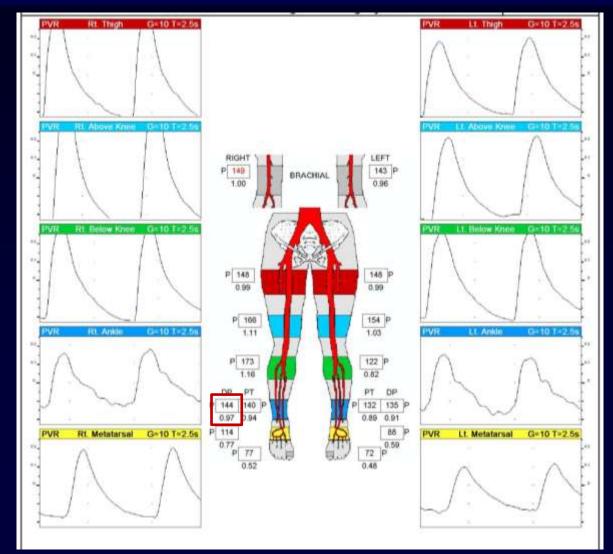


Final angiography





FU PVR after procedure



Improved right leg claudication



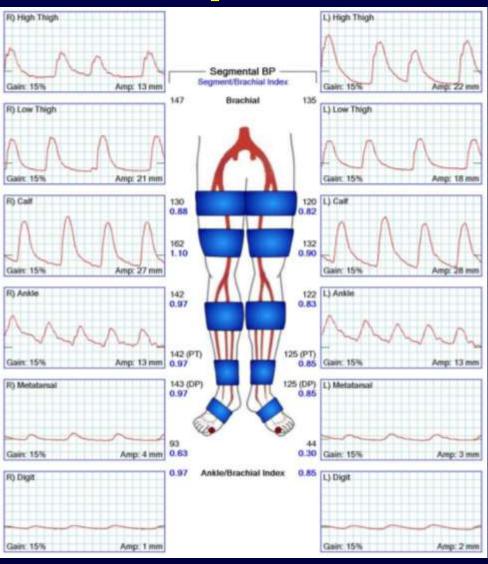
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3 months FU after procedure

Claudication (-)

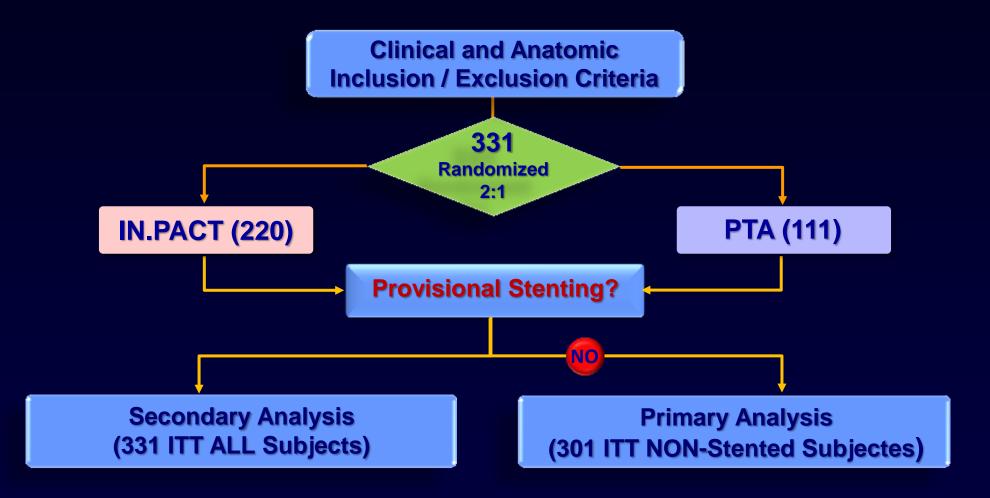




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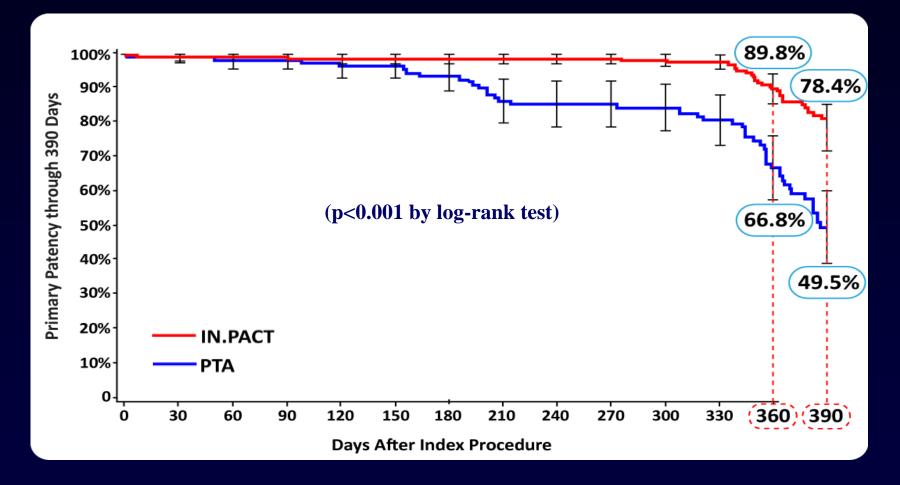


Randomized Trial of IN.PACT Admiral DCB vs. PTA





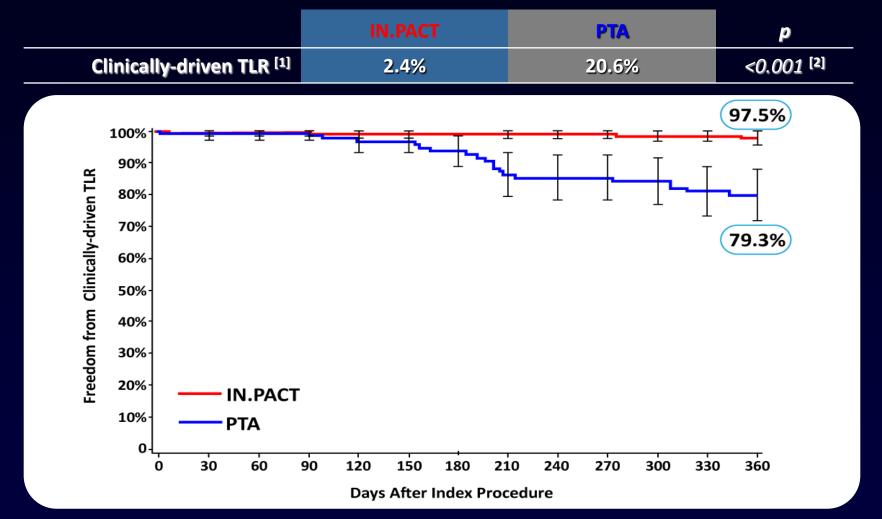
ALL ITT, 12-month Primary Patency ^[1]



1. Primary patency is defined as freedom from clinically-driven TLR and freedom from restenosis as determined by duplex ultrasound (DUS) Peak Systolic Velocity Ratio (PSVR) ≤ 2.4



ALL ITT, 12-month Clinically-driven TLR



- 1. Clinically-driven TLR defined as any re-intervention due to symptoms or drop of ABI/TBI of >20% or >0.15 compa red to post-procedure ABI/TBI
- 2. Actual event rate by frequency ratio algorithm calculation



Korean data

Enrolled

- RCT (level 1 evidence)
- Total 105 pts (5 hospitals); de novo lesions
- Stenting patients
 - Only 15 pts (14%); 3~30% according to hospital
- Key result at 12 months

	IN.PACT Admiral	PTA	
Mean lesion length	8.94±4.89	8.81±5.12	
Primary patency	89.9%	66.8%	
CD-TLR	2.4%	20.3%	
ABI / TBI ^[4]	7.3%	12.6%	
Preliminary data			



Thank you for your attention

