

The mid-term results of Orchid DCB in C/D lesions in SFA/PA—a single center experience

Xin Jia, Wei Guo

Vascular and Endovascular Surgery Department
Chinese PLA general hospital, Beijing

Disclosure

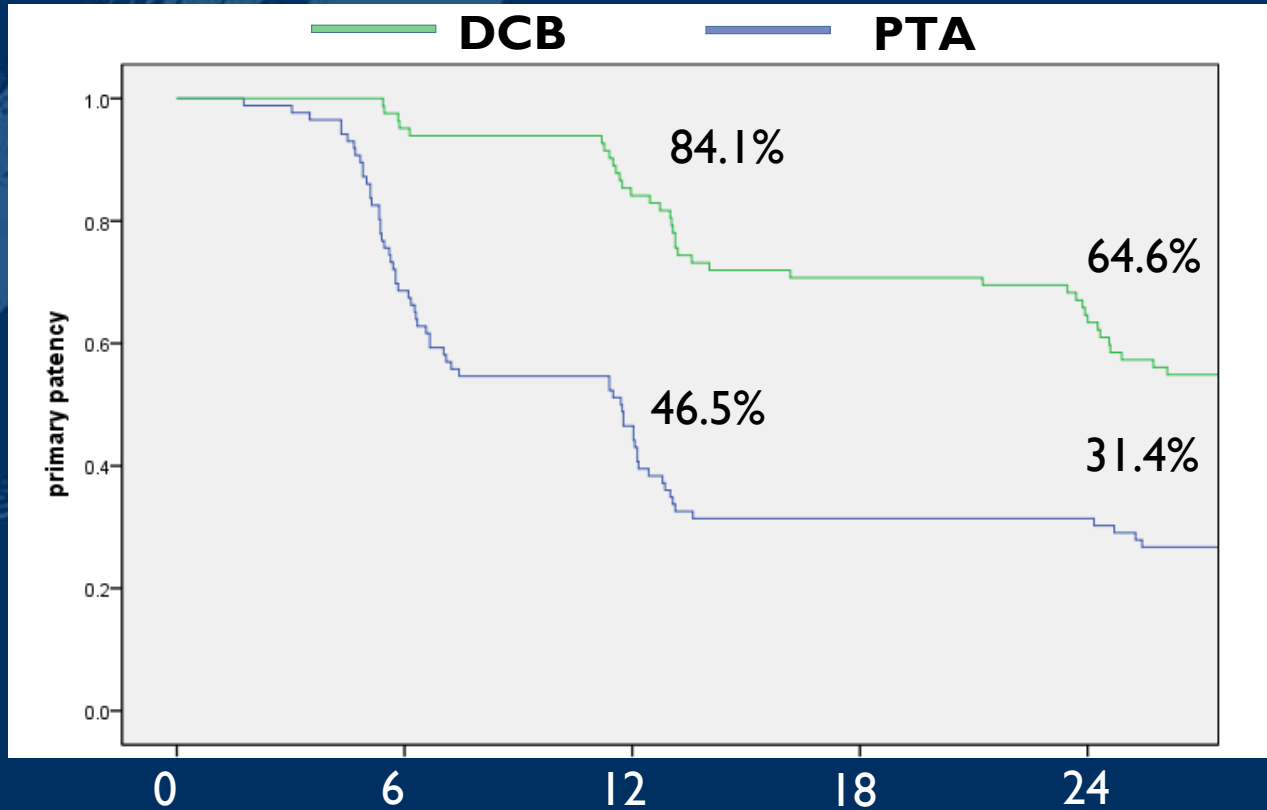
Speaker name: Xin Jia

.....

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

AcoArt I Primary Patency @ 2 years



Xu Y et al. Drug-Coated Balloon Angioplasty Compared With Uncoated Balloons in the Treatment of 200 Chinese Patients With Severe Femoropopliteal Lesions: 24-Month Results of AcoArt I. *JACC Cardiovasc Interv.* 2018 Dec 10;11(23):2347-2353.

TASC C/D Lesions with Orchid DCB 2016-2018

Age	72.7±13.2 y
Male	73.5% (50/68)
Hypertension	89.7% (61/68)
Smoking history	80.9% (55/68)
Hyperlipidemia	66.2% (45/68)
Diabetes	45.6% (31/68)
CAD	39.7% (27/68)
Renal insufficiency	11.8% (8/68)
Stroke	17.6% (12/68)
Rutherford classification	
2	1.5% (1/68)
3	76.5% (52/68)
4	11.8% (8/68)
5	10.3% (7/68)

51.5% (39/76) in SFA, 10.5% (8/76) in PA,
38% (29/76) involve both SFA and PA.

Mean lesion $26.7\text{cm} \pm 15.3\text{cm}$, 73.6% (56/76) CTO
lesion, 26.4% (20/76) stenosis lesion.

61.8% (47/76) heavy calcification.

31.8% (25/76) vessel preparation with debulking (Turbohawk)

Angiography displayed 67% (51/76) without significant dissection A-C, 33% (25/76) with significant dissection D-F.

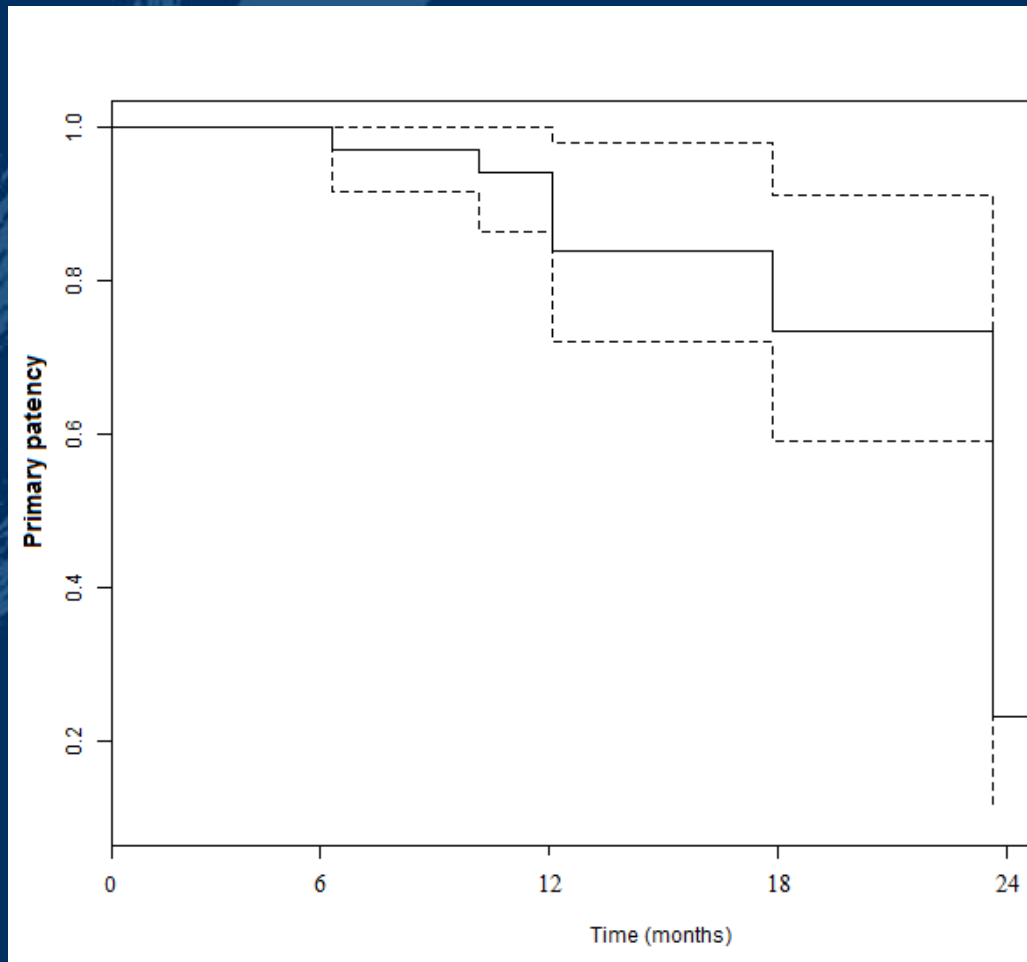
Stent rate 36.8% (28/76) , mean coverage length 11.8 ± 9.2 cm

Stent rate in lesions with heavy calcification was 46.8%(22/47) higher than 20.7%(6/29) ($p = 0.02$) without heavy calcification.

Safety Endpoints

30-day results: death 0, complication rate 8.8% (6/68) -----hematoma 2, pseudoaneurysm 1, distal embolization 3.

Midterm results: all cause mortality was 2.9% (2/68) after 1 year , 4.4% (3/68) after 2 years.



Primary patency $74.2 \pm 7.6\%$ at 1 year, and $67.7 \pm 6.4\%$ at 2 year

Free from TLR $81.4 \pm 5.1\%$ at 1 year, and $73.6 \pm 5.4\%$ at 2 year

Multivariate analysis of restenosis risk factors

	OR	95% CI	p
Diabetes	2.435	1.939-14.586	0.043
Heavy calcification	6.687	2.14-53.96	0.025
Renal insufficiency	2.095	1.943-7.965	0.014
Restenosis	3.953	1.858-12.997	0.028
Smoking history	1.832	0.865-7.227	0.125
Debulk	0.874	0.732-4.395	0.317

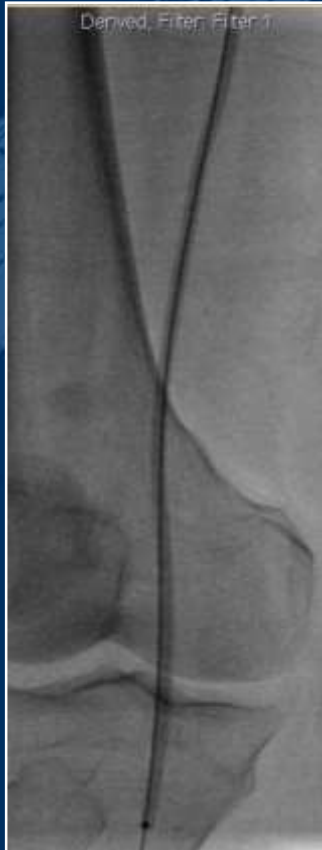
Case Report



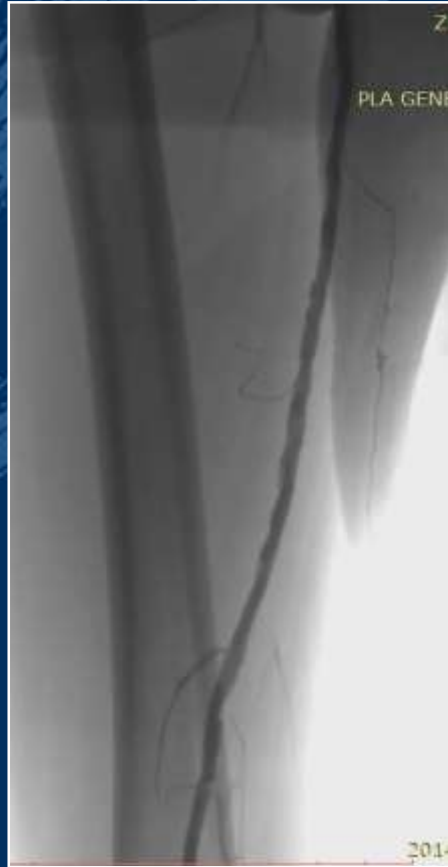
Male, 75y

R3, PCI

SFA+PA occlusion



Orchid DCB 5-300



FU after 12 months

Conclusions

The efficacy of DCB in complicated SFA/PA lesions proved

The safety concern was not discerned in this cohort

Large sample and longer follow-up still needed

The mid-term results of Orchid DCB in C/D lesions in SFA/PA—a single center experience

Xin Jia, Wei Guo

Vascular and Endovascular Surgery Department
Chinese PLA general hospital, Beijing