

## **Disclosure Statement of Financial Interest**

Within the past 12 months, I or my spouse/partner have had a financial interest/arrangement or affiliation with the organization(s) listed below.

## Affiliation/Financial Relationship Company

- Grant/Research Support
- Consulting (non-compensated)
- · Major Stock Shareholder/Equity

- Royalty Income Ownership/Founder Intellectual Property Rights Other Financial Benefit

Primacea, TissueGen, Orchestra, R3 Vascular, Transit Medical, Syntervention, Cagent None

Abbott, Medtronic

Innovation Vascular Partners, LLC None

Medtronic, Boston Scientific, Abbott, Phillips

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Perforations requiring stenting 3/3 (100   issections ≥ Grade C 14/98 (14)
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Dissections requiring stenting 5/14 (35.
istal embolization 11/86 (12.
Distal embolization requiring aspiration only 5/11 (45.
Distal embolization requiring stenting 1/11 (9.1

	Overall (N=258 lesions)	Non-Stent <sup>a</sup> (N=165 lesions)	Stent <sup>a</sup> (N=93 lesions)	
Lesion location				
Superficial Femoral	75.6%	72.1%	81.7%	
Common Femoral	10.9%	15.2%	3.2%	
Popliteal	13.6%	12.7%	15.1%	
Lesion length, mean ± SD	16.4 ± 13.6 cm	14.1 ± 12.6 cm	$20.5\pm14.4~\mathrm{cm}$	
Calcium Grade <sup>b</sup>				
0	10.0%	10.2%	9.5%	
1	16.2%	14.6%	19.0%	
2	24.1%	17.8%	35.7%	
3	28.2%	31.8%	21.4%	
4	19.5%	21.0%	16.7%	
Lesion RVD, mean ± SD	$5.7 \pm 0.9 \text{ mm}$	$5.5 \pm 0.9 \text{ mm}$	$5.9 \pm 0.9 \text{ mm}$	
Occlusion (100% stenosis)	36.1%	28.7%	50.0%	
Pre-treatment stenosis estimate, mean ± SD	91.1% ± 9.8%	90.2% ± 10.0%	92.7% ± 9.4%	













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- 67 year old female with history CAD, HTN, HLP and recent onset LLE rest pain
- US confirms CFA and SFA disease
- Heavy calcification noted diffusely
- Shockwave and atherectomy outcomes

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## Who wins?

- Long calcified lesions remain difficult for endovascular treatments
  - Vessel compliance through atherectomy or lithoplasty have shown efficacy and safety Each device has pros and cons
- Lithoplasty has demonstrated improved vessel compliance in a simple to use PTA format Issues with eccentric non-concentric Ca remains a real question for IVL If not in contact with the artery its benefit may be limited
- Atherectomy device need for DEP are muted with IVL
- 0-1% compared with up to 8% despite DEP with atherectomy devices
- · Both atherectomy and IVL remain complimentary

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