



## SHOCKWAVE | S<sup>4</sup>

# IVL Optimized for Challenging Calcified Below-the-Knee Disease

### MINIMIZE TRAUMA

Minimize trauma to soft tissue by safely selecting and fracturing intimal and medial calcium

### OPTIMIZE OUTCOMES

Optimize luminal gain consistently and preserve future treatment options while reducing complications

### SIMPLIFY PROCEDURES

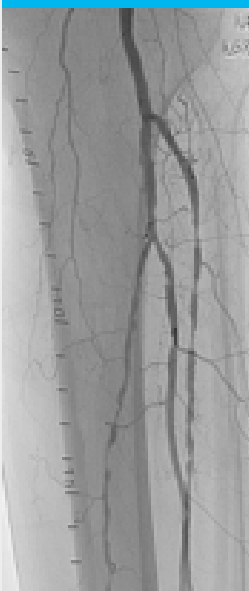
Simple and intuitive system that makes complex calcified below-the-knee procedures more predictable

## Effective in Both Intimal and Medial Calcium

IVL is effective in fracturing calcium throughout the vascular wall, producing high acute gain with minimal complications

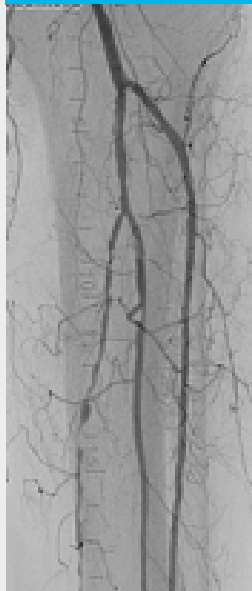
### CALCIFIED POSTERIOR TIBIAL ARTERY

Diagnostic  
Angiogram  
Post IVL



65% Stenosis

Final  
Angiogram  
Post IVL

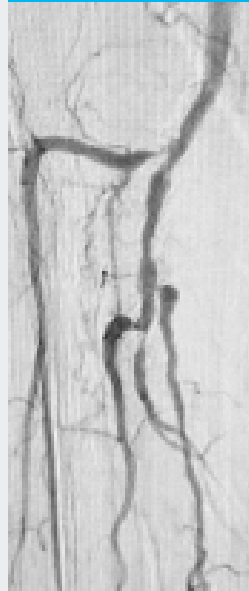


21% Residual  
1.6mm Acute Gain

Courtesy of Prof. Andrew Holden

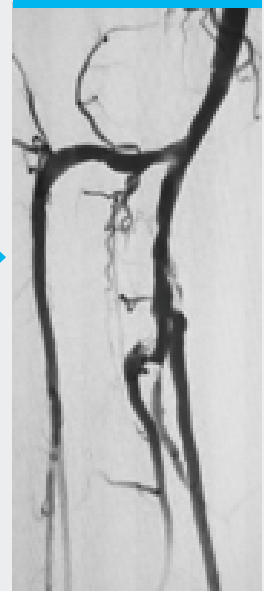
### CALCIFIED ANTERIOR AND POSTERIOR TIBIAL ARTERY BIFURCATION

Diagnostic  
Angiogram



Previous PT & AT  
Intervention 30d ago

Final  
Angiogram  
Post IVL



24% Residual  
Stenosis

Courtesy of Dr. Roger Gammon



## High Lumen Gain with Minimal Complications Below-the-Knee

Low residual stenosis with no angiographic complications in moderate/severely calcified CLI patients

		DISRUPT PAD I 95 subjects, 8 sites	DISRUPT BTK 20 subjects, 21 lesions, 3 sites
Patients Included	Vessels	Femoral/Popliteal Arteries	Tibial/Peroneal Arteries
	Intermittent Claudication	98.9% (94)	20.0% (4)
	Critical Limb Ischemia	1.1% (1)	80.0% (16)
Safety	Dissections	1% (1) Grade D or greater	0 Grade D or greater
	Embolization	0 Embolic Events	0 Embolic Events
	Perforations, abrupt closure, slow/no reflow or thrombosis	0 Complications	0 Complications
Effectiveness	Residual Stenosis	23.8%	26.2%
	Acute Gain	2.9mm	1.5mm
Follow-Up	30 days	100% Freedom from TLR 100% Patency	100% Freedom from TLR 0% MAE (death, amp. or MI)

### IVL CATHETER SPECS

CATALOG #	Diameter (mm)	Length (mm)	Emitters	Pulses/Cycle	Cycles	Guidewire (in)	Sheath Compat.	Working Length (cm)
S4IVL3540	3.5	40	4	20	8	0.014	5F	135
S4IVL4040	4.0	40	4	20	8	0.014	5F	135

Discover how you can treat calcium more effectively  
with the Peripheral Intravascular Lithotripsy (IVL) System.  
Visit [shockwavemedical.com](http://shockwavemedical.com) for more information.