

Materials List for

# Intravascular Lithotripsy-Assisted Transfemoral Transcatheter Aortic Valve Implantation

Philippe Nuyens<sup>1</sup>, Ivan Wong<sup>1</sup>, Maarten Vanhaverbeke<sup>1</sup>, Xi Wang<sup>1</sup>, Gintautas Bieliauskas<sup>1</sup>, Lars Sondergaard<sup>1</sup>, Ole De Backer<sup>1</sup>

<sup>1</sup>The Heart Center, Rigshospitalet, Copenhagen University Hospital

## Corresponding Author

Ole De Backer

ole.debacker@gmail.com

## Citation

Nuyens, P., Wong, I., Vanhaverbeke, M., Wang, X., Bieliauskas, G., Sondergaard, L., De Backer, O. Intravascular Lithotripsy-Assisted Transfemoral Transcatheter Aortic Valve Implantation. *J. Vis. Exp.* (181), e63556, doi:10.3791/63556 (2022).

## Date Published

March 9, 2022

## DOI

10.3791/63556

## URL

jove.com/video/63556

## Materials

Name	Company	Catalog Number	Comments
0.014" guidewire	Floppy II Extra Support Guide Wire, Abbott, USA	22299M	
0.035" stiff guidewire	Amplatz superstiff j-tip 7 cm floppy, Boston Scientific, USA	M001465020	
20 mL syringe			
6 F or 8 F femoral sheath	Radifocus Introducer II, Terumo	RS*B70N10MRD and RS*B80N10MRD	
6-8 F Arrow sheath 35 cm- if contralateral access	Teleflex	CL07635 and CL07835	
Arterial puncture needle	Percutaneous entry thinwall needle, Cook Medical	SDN18-18-7.0	
Contrast solution	Visipaque 350, GE Healthcare		
CT angiography-based 3D reconstruction dedicated software	3mensio, Pie Medical, The Netherlands		
Diagnostic catheter	6F IMA diagnostic catheter, Cordis	534-6605	
Echo probe sterile cover	CIV-flex transducer cover, CIVCO	610-1212	
Indeflator device (20 mL)	Everest 30, Medtronic	AC3200	
IVL Connector Cable	Shockwave medical	IVLCC	
IVL generator	Shockwave medical	IVLGCC	
Local anesthetic	Xylocain 10 mg/mL, Aspen		
Non-compliant balloon	Z-MED II balloon 6 to 8 mm, Numed Canada inc.	PDZ622	
Safety wire	0.018" Platinum Plus guidewire, Boston Scientific, USA	M0014666050	
Shockwave M5/M5+ catheter (7 mm-8 mm diameter)	Shockwave medical	M5IVL7060 - M5PIVL7060 - M5PIVL8060	
Standard J-wire	angiodyn guide wire j-tip, B. Braun	5050200	
Sterile cover for shockwave connector cable	camera drape, Mönlycke health care		
Three-way stopcock			

Unfractionated heparin	10 mL vials of 1000 IE/mL, Amgros I/S		
Vascular closure device	Perclose Prostyle device, Abbott, USA	12773-02	
Vascular echo probe			
	Manta VCD, Essential Medical, USA	2156NE, 2115NE	