

Transcatheter Pulmonary Valve Replacement from Autologous Pericardium with a Self-Expandable Nitinol Stent in an Adult Sheep Model

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Materials

Name	Company	Catalog Number	Comments
10 % Magnesium	Inresa Arzneimittel GmbH	PZN: 00091126	0.02 mol/ L, 10X10 ml
10 Fr Ultrasound catheter	Siemens Healthcare GmbH	SKU 10043342RH	ACUSON AcuNav™ ultrasound catheter
3D Slicer	Slicer	Slicer 4.13.0-2021-08-13	Software: 3D Slicer image computing platform
Adobe Illustrator	Adobe	Adobe Illustrator 2021	Software
Amiodarone	Sanofi-Aventis Deutschland GmbH	PZN: 4599382	3- 5 mg/ kg, 150 mg/ 3 ml
Amplatz ultra-stiff guidewire	COOK MEDICAL LLC, USA	Reference Part Number:THSF-35-145-AUS	0.035 inch, 145 cm
Anesthetic device platform	Drägerwerk AG & Co. KGaA	8621500	Dräger Atlan A350
ARROW Berman Angiographic Balloon Catheter	Teleflex Medical Europe Ltd	LOT: 16F16M0070	5Fr, 80cm (X)
Butorphanol	Richter Pharma AG	Vnr531943	0.4mg/kg
C-Arm	BV Pulsera, Philips Healthcare, Eindhoven, The Netherlands	CAN/CSA-C22.2 NO.601.1-M90	Medical electal wquipment
Crimping tool	Edwards Lifesciences, Irvine, CA, USA	9600CR	Crimper
CT	Siemens Healthcare GmbH	–	CT platform
Dilator	Edwards Lifesciences, Irvine, CA, USA	9100DKSA	14- 22 Fr
Ethicon Suture	Ethicon	LOT:MKH259	4- 0 smooth monophilic thread, non-resorbable
Ethicon Suture	Ethicon	LOT:DEE274	3-0, 45 cm
Fast cath hemostasis introducer	ST. JUDE MEDICAL Minnetonka MN	LOT Number: 3458297	11 Fr
Fentanyl	Janssen-Cilag Pharma GmbH	DE/H/1047/001-002	0.01mg/kg

Fragmin	Pfizer Pharma GmbH, Berlin, Germany	PZN: 5746520	Dalteparin 5000 IU/ d
Functional screen	BV Pulsera, Philips Heathcare, Eindhoven, The Netherlands	System ID: 44350921	Medical electal wquipment
Glycopyrroniumbromid	Accord Healthcare B.V	PZN11649123	0.011mg/kg
Guide Wire M	TERUMO COPORATION JAPAN	REF*GA35183M	0.89 mm, 180 cm
Hemochron Celite ACT	International Technidyne Corporation, Edison, USA	NJ 08820-2419	ACT
Heparin	Merckle GmbH	PZN: 3190573	Heparin-Natrium 5.000 I.E./0,2 ml
Hydroxyethyl starch (Haes-steril 10 %)	Fresenius Kabi Deutschland GmbH	ATC Code: B05A	500 ml, 30 ml/h
Imeron 400 MCT	Bracco Imaging	PZN00229978	2.0–2.5 ml/kg, Contrast agent
Isoflurane	CP-Pharma Handelsges. GmbH	ATCvet Code: QN01AB06	250 ml, MAC: 1 %
Jonosteril Infusionslösung	Fresenius Kabi Deutschland GmbH	PZN: 541612	1000 ml
Ketamine	Actavis Group PTC EHF	ART.-Nr. 799-762	2–5 mg/kg/h
Meloxicam	Boehringer Ingelheim Vetmedica GmbH	M21020A-09	20 mg/ mL, 50 ml
Midazolam	Hameln pharma plus GMBH	MIDAZ50100	0.4mg/kg
MRI	Philips Healthcare	–	Ingenia Elition X, 3.0T
Natriumchloride (NaCl)	B. Braun Melsungen AG	PZN /EAN:04499344 / 4030539077361	0.9 %, 500 ml
Pigtail catheter	Cordis, Miami Lakes, FL, USA	REF: 533-534A	5.2 Fr 145 °, 110 cm
Propofol	B. Braun Melsungen AG	PZN 11164495	20mg/ml, 1–2.5 mg/kg
Propofol	B. Braun Melsungen AG	PZN 11164443	10mg/ml, 2.5–8.0 mg/kg/h
Safety IV Catheter with Injection port	B. Braun Melsungen AG	LOT: 20D03G8346	18 G Catheter with Injection port
Sulbactam- ampicillin	Pfizer Pharma GmbH, Berlin, Germany	PZN: 4843132	3 g, 2.000 mg/ 1.000 mg
Sulbactam/ ampicillin	Instituto Biochimico Italiano G Lorenzini S.p.A. – Via Fossignano 2, Aprilia (LT) – Italien	ATC Code: J01CR01	20 mg/kg, 2 g/1 g
Surgical Blade	Brinkmann Medical ein Unternehmen der Dr. Junghans Medical GmbH	PZN: 354844	15 #
Surgical Blade	Brinkmann Medical ein Unternehmen der Dr. Junghans Medical GmbH	PZN: 354844	11 #
Suture	Johnson & Johnson	Hersteller Artikel Nr. EH7284H	5-0 polypropylene