

Materials List for:

An Anesthesia, Surgery, and Harvest Method for the Evaluation of Transpedicular Screws Using an *In Vivo* Porcine Lumbar Spine Model

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Materials

Name	Company	Catalog Number	Comments
Miniature pig	OrientBio		
Atropine	Jeil pharmaceutical	A04900241	Anesthesia
Over-the needle plastic catheter	BD	REF382412	Maintenance of IV line
Ketamine	Yuhan	A04502441	Anesthesia
Xylazine	Bayer Korea	A00800071	Anesthesia
Laryngoscope	Karl storz		Intubation
Endotracheal tube	Covidien		Intubation
Isoflurane	JW pharmaceutical Co	A02104781	Anesthesia
Eye ointment	Hanlim pharma	A37851721	Protection of pig's eye
Cefazolin	Donga pharma	A01503951	Antibiotics
Saline	JW pharmaceutical Co	A02151392	Maintenance of fluid homeostasis
Fentanyl	Hana pharm	C03200032	Pain control
Enrofloxacin	Bayer	93106-60-6	Antibiotics
Morphine	Myungmoon pharma	C03700091	Pain control
Meloxicam	Boehringer Ingelheim	A07600711	Antibiotics
Povidone-iodine	Hyundai pharma		Wound dressing
Scalpel blade size 15	Braun	I1 BB515	Skin incision
Cobb elevator	Codman	65-2546	Dissection of muscle
Burr	Medtronic		Making of starting point of screw
Rongeur	Aesculap	FO515R	Making of starting point of screw
Guide pin (K-wire)	CE	01067803	Guidance of screw trajectory
C-arm	GE	OEC 9800 plus	Guidance of screw trajectory
Portable X-ray	Siemens	Mobile XP hybrid	Guidance of screw trajectory
Pedicle probe	OtisBiotech	SPI-02-01	Guidance of screw trajectory
Pedicle sounding device	OtisBiotech	SPI-03-01	Guidance of screw trajectory
Pedicle screw	OtisBiotech	MS-40025	
Posterior fixator systems	OtisBiotech		
Rod	OtisBiotech	ROD-60140	Rigid fixation between screws
Universal handle	OtisBiotech	SPI-08-01	To fix the screws to the rod
Straight socket wrench	OtisBiotech	SPI-06-01	To fix the screws to the rod
counter torque wrench	OtisBiotech	SPI-07-01	To fix the screws to the rod

Bulb irrigation syringe	Hyupsug medical	HS-IR-140	Irrigation
Silicone drain	Sewon medical	2205-006	To drain the fluid at the surgical site
3.0 metric absorbable suture	Ethicon	BA1673H	Muscle suture
2.0 metric nonabsorbable nylon suture	Ethicon	W1626T	Skin suture
Gauze	Kingphar Korea	KP120-06	
Pentobarbital	Hanlim pharma	645301221	Euthanasia
Oscillating saw	Zimmer		Harvest spine
Tower forceps	Aesculap	BF461R	Harvest spine