

Materials List for:

Calvarial Model of Bone Augmentation in the Rabbit for the Assessment of Bone Growth and Neovascularization in Bone Substitution Materials

Laurine Marger¹, Antonio Barone², Carla P. Martinelli-Kl ay³, Leandra Schaub¹, Malin Stranding⁴, Mustapha Mekki¹, Irena Sailer⁴, Susanne S Scherrer¹, St ephane Durual¹

¹Division of Fixed Prosthodontics and Biomaterials, Biomaterials Laboratory, University of Geneva, University Clinic of Dental Medicine

²Department of Surgery, Division of Oral and Maxillofacial Surgery (HUG), Unity of Oral Surgery and Implantology, University of Geneva, University Clinic of Dental Medicine

³Department of Surgery, Division of Oral and Maxillofacial surgery (HUG), Laboratory of Oral & Maxillofacial Pathology, University of Geneva, University Clinic of Dental Medicine

⁴Division of Fixed Prosthodontics and Biomaterials, University of Geneva, University Clinic of Dental Medicine

Correspondence to: St ephane Durual at Stephane.Durual@unige.ch

URL: <https://www.jove.com/video/59976>

DOI: [doi:10.3791/59976](https://doi.org/10.3791/59976)

Materials

Name	Company	Catalog Number	Comments
Drugs			
Enrofloxacin Baytril 10%	Bayer		Antibiotic
Fentanyl	Bischel		For analgesia
Ketalar 50mg/ml	Pfizer		Ketamine for anesthesia
Lidohex	Bichsel		Lubricating gel for the eyes
Opsite	Smith and Nephew	66004978	Sprayable dressing
Povidone iodine 10%, Betadine	Mundipharma		anti-infective agent
Propofol 2%	Braun	3538710	For anesthesia
Rapidocain 2%	sintetica		Local anesthesia
Ringer-acetate	Fresenius Kabi		Volume compensation
Rompun 2%	Bayer		Xylazin for anesthesia
Sevoflurane 5%	Abbvie		For anesthesia
Sterile saline	Sintetica		
Temgesic	Reckitt Benckiser		Buprenorphine hydrochloride, analgesia
Thiopental Inresa	Ospediala		For anesthesia
Xylocaine 10% spray	Astra Zeneca		For intubation
Equipment			
Fresenius Vial pilot C	Imexmed		Infusion pump
Heated pad	Harvard Apparatus		
Suction dominant 50	Medela		
Suction tubing Optimus	Promedical	80342.2	
Surgical motor	Schick dental	Qube	Drilling of intramedullary holes
Ventilation	Maquet Servo1		
Material			
Cylinders and caps	Boutyplast	Customized	composition: PEEK (poly ether ether ketone)
Manual self-retaining shaft	GlobalD	ACT1K	

Mobile handle for self-retaining shaft	GlobalID	MTM	
Self- drilling screws	GlobalID	VA1.2KL4	cross-drive screws composed by Titanium grade5, ISO 5832-3
Name	Company	Catalog Number	Comments
Surgical tray			
Endotracheal tube Shiley diameter 2,5mm	Covidien	86233	For intubation
Endotracheal tube Shiley diameter 4,9mm	Covidien	107-35G	For intubation
Ethicon prolene 4-0	Ehticon	8581H	Non-resorbable suture
Forceps	Marcel Blanc	BD027R	145 mm
Intubation catheter	Cook medical		Guide for intubation
Needle holder	Marcel Blanc	BM008R	
Needles BD Microlance3	Becton Dickinson	300300/304622	26G; 18G
Periosteal	HU-Friedy	P9X	
Round surgical burs	Patterson	78000	0.8 mm in diameter, Drilling of intramedullary holes
Scalpel	Swann-Morton		n°10 and n°15
Scissors	Marcel Blanc	00657	180 mm
Syringes Omnifix	Braun	4616057V	5ml, 10ml and 50ml
Venflon G22	Braun	42690985-01	Vasofix safety for the ear iv line