

Materials List for:

Combined Near-infrared Fluorescent Imaging and Micro-computed Tomography for Directly Visualizing Cerebral Thromboemboli

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Materials

Name	Company	Catalog Number	Comments
Machines			
microCT	NanoFocusRay, JeonJu, Korea	NFR Polaris-G90	
NIRF imaging system	Roper-scientific, Tucson, AZ	coolsnap-Ez	
Laser Doppler flowmeter	Perimed, Stockholm, Sweden	PeriFlux System 5000	
Surgical microscope	Leica Microsystems, Seoul, Korea	EZ4HD	
Inhalation anesthesia machine	PerkinElmer, Massachusetts, USA	XGI-8	
Software			
NFR control	NanoFocusRay, JeonJu, Korea	NFR Polaris-G90	microCT control software
Lucion	Infinitt, Seoul, Korea	Lucion	3D render imaging software
Lab chart 7	ADInstruments, Colorado, USA	Lab chart 7	rCBF
ImageJ software	Wanye Rasband, NIH, USA	1.49d	imaging analysis
Devices/Instruments			
Infusion pump	Harvard, Massachusetts, USA	pump 22(55-2226)	
Homeothermic blanket	Panlab, Barcelona, Spain	HB101	
Pocket cautery	Daejong, Seoul, Korea	DJE-39	
Brain matrice	Ted pella, CA, USA	15003	coronal section
PE-50 tubing	Natsume, Tokyo, Japan	SP-45(PE-50)	I.D. 0.58 mm O.D. 0.96 mm
PE-10 tubing	Natsume, Tokyo, Japan	SP-10(PE-10)	I.D. 0.28 mm O.D. 0.61 mm
30 gauge needle	sungshim-medical, Seoul, Korea		
Syringe	CPL-medical, Ansan, Korea		1 & 3 cc
Gauze	Panamedic, Cheonan, Korea		
Tape	Scotch, Seoul, Korea	3M-810	
Micro forceps	Fine Science Tools, Vancouver, Canada	11253-27	Dumont #L5
Micro scissor	Fine Science Tools, Vancouver, Canada	15000-03	Vannas spring
Scissor	Fine Science Tools, Vancouver, Canada	14084-08	8.5 cm
Black silk suture	Ailee, Busan, Korea	SK6071, SK728	6-0 and 7-0
Reagents			
meloxicam	Yuhan, Seoul, Korea		
vet ointment	Novartis, Basel, Swiss		

10% Povidone-iodine (betadine)	Firson, Cheon-an, Korea		
FeCl ₃	Sigma, Missouri, United States	157740-5G	
TTC	Amresco, Ohio, USA	0765-100g	
Isoflurane	Hana-Pham, Gyeonggi, Korea	lfran	100 ml
PBS	Welgene, Daegu, Korea	LB001-02	500 ml
Gold nanoparticles			Synthesis
C15 optical agent			Synthesis
Tissue plasminogen activator	Boehringer Ingelheim, Biberach, Germany	rtPA(actilyse)	20 mg
Normal saline	Daihan Pham, Seoul, Korea	48N3AF3	20 ml