

Materials List for:

# Utilizing a Cranial Window to Visualize the Middle Cerebral Artery During Endothelin-1 Induced Middle Cerebral Artery Occlusion

Robert W. Regenhardt<sup>1</sup>, Saeed Ansari<sup>2</sup>, Hassan Azari<sup>3</sup>, Kenneth J. Caldwell<sup>2</sup>, Adam P. Mecca<sup>1</sup>

<sup>1</sup>Department of Physiology and Functional Genomics, University of Florida

<sup>2</sup>Department of Neurosurgery, McKnight Brain Institute, University of Florida

<sup>3</sup>Department of Anatomical Sciences, Shiraz University of Medical Sciences, Shiraz, Iran

Correspondence to: Hassan Azari at [azari.hassan@gmail.com](mailto:azari.hassan@gmail.com), Adam P. Mecca at [amecca@ufl.edu](mailto:amecca@ufl.edu)

URL: <https://www.jove.com/video/50015>

DOI: [doi:10.3791/50015](https://doi.org/10.3791/50015)

## Materials

Name	Company	Catalog Number	Comments
Inhalation anesthesia system	VetEquip Inc., Pleasanton, CA, USA	901806	
Isoflurane anesthetic	Baxter Pharmaceuticals, Deerfield, IL, USA	1001936060	
Small animal stereotaxic system	David Kopf Instruments, Tujunga, CA, USA	900	
Non-rupture ear bars, rat	David Kopf Instruments, Tujunga, CA, USA	957	
Rat gas anesthesia head holder	David Kopf Instruments, Tujunga, CA, USA	1929	
BAT-12 microprobe thermometer	World Precision Instruments, Inc., Sarasota, FL, USA	BAT-12	
T/PUMP, Thermal blanket	Gaymar Industries, Inc., Orchard Park, NY, USA	T/PUMP, TP600	
Metzenbaum Scissors	World Precision Instruments, Inc., Sarasota, FL, USA	501254	
Iris forceps	World Precision Instruments, Inc., Sarasota, FL, USA	15915	
Bulldog clamp retractors	World Precision Instruments, Inc., Sarasota, FL, USA	14119-G	
10 µl syringe 26-gauge	World Precision Instruments, Inc., Sarasota, FL, USA	SGE010RNS	
Bovie, high temperature cautery kit	World Precision Instruments, Inc., Sarasota, FL, USA	500392	
Rat tooth forceps 0.12	Stotz	E1811	
Micromotor drill	Stoelting, Wood Dale, IL, USA	51449	
0.8 mm round drill bur	Roboz Surgical Instrument Co., Inc., Gaithersburg, MD, USA	RS-6280C-1	
STORZ Bonn suturing forceps	Bausch and Lomb, Inc., Rochester, NY, USA		
Nylon Suture, size 3.0	Oasis, Mettawa, IL, USA	MV-663	
Cotton swabs	Fisher Scientific, Pittsburg, PA, USA	22-029-488	
Puralube eye ointment	Fisher Scientific, Pittsburg, PA, USA	NC0138063	
Electric hair clippers	Oster, Providence, RI, USA	78005-301	
ET-1 diluted to 80 µM concentration in PBS	American Peptide, Sunnyvale, CA, USA	88-1-10A	

Chlorhexidine, 2%	AgriLabs, St. Joseph, MO, USA	1040, Rev. 6-06, NAC No.: 10580322	
Surgical microscope	Seiler Instrument and Manufacturing, St. Louis, MO, USA	Evolution xR6	
Sony Handycam	Sony, Minato, Tokyo, Japan	HDR-SR12	
Fiber optic illuminator	TechniQuip Corp., Livermore, CA, USA	FO1-150	
VLC media Player	(Paris, France)		
Image J software	U.S. National Institutes of Health, Bethesda, MA, USA		