

Materials List for:

Surgical Training for the Implantation of Neocortical Microelectrode Arrays Using a Formaldehyde-fixed Human Cadaver Model

Pierre Mégevand^{1,2}, Alain Woodtli¹, Aude Yulzari¹, G. Rees Cosgrove³, Shahan Momjian⁴, Bojan V. Stimec⁵, Marco V. Corniola⁴, Jean H. D. Fasel⁵

¹Wyss Center for Bio and Neuroengineering, Geneva

²Division of Neurology, Department of Clinical Neuroscience, Geneva University Hospitals

³Department of Neurosurgery, Brigham and Women's Hospital, Harvard Medical School

⁴Division of Neurosurgery, Department of Clinical Neuroscience, Geneva University Hospitals

⁵Clinical Anatomy Research Group, Department of Cell Physiology and Metabolism, Faculty of Medicine, University of Geneva

Correspondence to: Pierre Mégevand at pierre.megevand@wysscenter.ch

URL: <https://www.jove.com/video/56584>

DOI: [doi:10.3791/56584](https://doi.org/10.3791/56584)

Materials

Name	Company	Catalog Number	Comments
Mayfield skull clamp	Integra LifeSciences, Cincinnati, OH	A1059	
Midas Rex MR7 system for craniotomy	Medtronic, Minneapolis, MN	EC300	
Dura scissors	Sklar Surgical Instruments, West Chester, PA	22-2742	
Self-tapping bone screws	OrthoMed Inc., Tigard, OR	OM SYN211806	
Microelectrode array and pedestal	Blackrock Microsystems, Salt Lake City, UT	LB-0612	Mock-up arrays are available from the manufacturer upon request
Pneumatic impactor	Blackrock Microsystems, Salt Lake City, UT	LB-0088	
64-channel electrocorticography grid	Ad-Tech Medical Instrument Corporation, Racine, WI	FG64C-SP10X-0C6	Optional