

Materials List for

Targeted Muscle Reinnervation: Surgical Protocol for a Randomized Controlled Trial in Postamputation Pain

Emily Pettersen^{1,2,3,4}, Paolo Sassu⁵, Francesca Alice Pedrini^{1,5}, Hannes Granberg^{1,2}, Carina Reinholdt^{2,6}, Juan Manuel Breyer⁷, Aidan Roche⁸, Andrew Hart^{9,10}, Adil Ladak¹¹, Hollie A. Power¹¹, Michael Leung¹², Michael Lo¹², Ian Valerio¹³, Kyle R. Eberlin¹³, Theodore A. Kung¹⁴, Paul Cederna¹⁴, Jason M. Souza^{15,16}, Oskar Aszmann¹⁷, Jason Ko¹⁸, Gregory A. Dumanian¹⁸, Max Ortiz-Catalan^{1,4,19,20}

¹Center for Bionics and Pain Research ²Center for Advanced Reconstruction of Extremities, Sahlgrenska University Hospital ³Department of Electrical Engineering, Chalmers University of Technology ⁴Bionics Institute ⁵IV Clinica Ortoplastica, IRCCS Istituto Ortopedico Rizzoli ⁶Department of Hand Surgery, Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Sahlgrenska University Hospital ⁷Department of Orthopedic, Hand Unit, Worker Hospital ⁸College of Medicine and Veterinary Medicine, The Queen's Medical Research Institute, The University of Edinburgh ⁹Canniesburn Plastic Surgery Unit, Glasgow Royal Infirmary ¹⁰College of Medicine, Veterinary & Life Sciences, The University of Glasgow ¹¹Division of Plastic Surgery, Department of Surgery, Faculty of Medicine and Dentistry, University of Alberta ¹²Plastics and Reconstructive Surgery, Dandenong Hospital, Monash Health ¹³Division of Plastic and Reconstructive Surgery, Massachusetts General Hospital &, Harvard Medical School ¹⁴Section of Plastic Surgery, Department of Surgery, Michigan Medicine ¹⁵Department of Surgery, Uniformed Services University of the Health Sciences and Walter Reed National Military Medical Center ¹⁶Department of Plastic and Reconstructive Surgery, Ohio State University ¹⁷Clinical Laboratory for Bionic Extremity Reconstruction, Department of Plastic, Reconstructive and Aesthetic Surgery, Medical University Vienna ¹⁸Division of Plastic Surgery, Department of Surgery, Northwestern Feinberg School of Medicine ¹⁹Medical Bionics Department, University of Melbourne ²⁰Prometei Pain Rehabilitation Center

Corresponding Author

Max Ortiz-Catalan
maxortizc@outlook.com

Citation

Pettersen, E., Sassu, P., Pedrini, F.A., Granberg, H., Reinholdt, C., Breyer, J.M., Roche, A., Hart, A., Ladak, A., Power, H.A., Leung, M., Lo, M., Valerio, I., Eberlin, K.R., Kung, T.A., Cederna, P., Souza, J.M., Aszmann, O., Ko, J., Dumanian, G.A., Ortiz-Catalan, M. Targeted Muscle Reinnervation: Surgical Protocol for a Randomized Controlled Trial in Postamputation Pain. *J. Vis. Exp.* (2025), e66379, doi:10.3791/66379 (2024).

Date Published

March 8, 2024

DOI

10.3791/66379

URL

jove.com/video/66379

Materials

Name	Company	Catalog Number	Comments
#15 Scalpel	Swann-Morton	0205	The company and the catalog number is one example.
8-0 Ethilon suture	Ethicon	W2808	The company and the catalog number is one example.
Hand-held nerve stimulator	Checkpoint Surgical	Model 9094	The company and the catalog number is one example.
Loupes	Zeiss	Various	User can choose loupes according to personal preferences.
Nerve cutting set	Checkpoint Surgical	9250	The company and the catalog number is one example.
Straight microscissors	S&T®	SAS-12 R-7	The company and the catalog number is one example.