

Materials List for

## Regenerative Peripheral Nerve Interface: Surgical Protocol for a Randomized Controlled Trial in Postamputation Pain

Emily Pettersen<sup>1,2,3,4</sup>, Paolo Sassu<sup>5</sup>, Francesca Alice Pedrini<sup>1,5</sup>, Hannes Granberg<sup>1,2</sup>, Carina Reinholdt<sup>2,6</sup>, Juan Manuel Breyer<sup>7</sup>, Aidan Roche<sup>8</sup>, Andrew Hart<sup>9,10</sup>, Adil Ladak<sup>11</sup>, Hollie

A. Power<sup>11</sup>, Michael Leung<sup>12</sup>, Michael Lo<sup>12</sup>, Ian Valerio<sup>13</sup>, Kyle R. Eberlin<sup>13</sup>, Jason Ko<sup>14</sup>, Gregory A. Dumanian<sup>14</sup>, Theodore A. Kung<sup>15</sup>, Paul Cederna<sup>15</sup>, Max Ortiz-Catalan<sup>1,4,16,17</sup>

<sup>1</sup>Center for Bionics and Pain Research <sup>2</sup>Center for Advanced Reconstruction of Extremities, Sahlgrenska University Hospital <sup>3</sup>Department of Electrical Engineering, Chalmers University of Technology <sup>4</sup>Bionics Institute <sup>5</sup>IV Clinica Ortoplastica, IRCCS Istituto Ortopedico Rizzoli <sup>6</sup>Department of Hand Surgery, Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Sahlgrenska University Hospital <sup>7</sup>Department of Orthopedic Surgery, Hand Unit, Worker Hospital <sup>8</sup>College of Medicine and Veterinary Medicine, The Queen's Medical Research Institute, The University of Edinburgh <sup>9</sup>Canniesburn Plastic Surgery Unit, Glasgow Royal Infirmary <sup>10</sup>College of Medicine, Veterinary & Life Sciences, The University of Glasgow <sup>11</sup>Division of Plastic Surgery, Department of Surgery, Faculty of Medicine and Dentistry, University of Alberta <sup>12</sup>Plastics and Reconstructive Surgery, Dandenong Hospital, Monash Health <sup>13</sup>Division of Plastic and Reconstructive Surgery, Massachusetts General Hospital & Harvard Medical School <sup>14</sup>Division of Plastic Surgery, Department of Surgery, Michigan Medicine <sup>16</sup>Medical Bionics Department, University of Melbourne <sup>17</sup>Prometei Pain Rehabilitation Center

Corresponding Author	Citation		
Max Ortiz-Catalan	Pettersen, E., Sassu, P., Pedrini, F.A., Granberg, H., Reinholdt, C., Breyer, J.M., Roche, A.,		
maxortizc@outlook.com	Hart, A., Ladak, A., Power, H.A., Leung, M., Lo, M., Valerio, I., Eberlin, K.R., Ko, J.,		
	Dumanian, G.A., Kung, T.A., Cederna, P., Ortiz-Catalan, M. Regenerative Peripheral Nerve		
	Interface: Surgical Protocol for a Randomized Controlled Trial in Postamputation Pain. J.		
	Vis. Exp. (205), e66378, doi:10	.3791/66378 (2024).	
Date Published	DOI	URL	
March 15, 2024	10.3791/66378	jove.com/video/66378	

## **Materials**

Name	Company	Catalog Number	Comments
0.9% NaCl sterile solution	Thermo Fisher Scientific	Z1376	The company and the catalog number is one example.
6-0 Ethilon suture	Ethicon	660H	The company and the catalog number is one example.
Dissecting scissors	Stille	101-8172-23	The company and the catalog number is one example.
Gauze	Mölnlycke	152040	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.