Supplementary Information

Safety and efficacy of chronic weekly rozanolixizumab in generalized myasthenia

gravis: The randomized open-label extension MG0004 study

Vera Bril¹, Artur Drużdż², Julian Grosskreutz³, Ali A. Habib⁴, Henry J. Kaminski⁵, Renato

Mantegazza⁶, Sabrina Sacconi⁷, Kimiaki Utsugisawa⁸, Tuan Vu⁹, Marion Boehnlein¹⁰,

Maryam Gayfieva¹¹, Bernhard Greve¹⁰, Franz Woltering¹⁰, John Vissing¹² on behalf of the

MG0004 study investigators

¹Ellen and Martin Prosserman Centre for Neuromuscular Diseases, Toronto General

Hospital, University of Toronto, Toronto, Ontario, Canada; ²Department of Neurology,

Municipal Hospital, Poznań, Poland; ³Precision Neurology of Neuromuscular Diseases,

Department of Neurology, University of Lübeck, Lübeck, Germany; 4MDA ALS &

Neuromuscular Center, Department of Neurology, University of California, Irvine, Orange,

CA, USA; ⁵Department of Neurology & Rehabilitation Medicine, George Washington

University, Washington, DC, USA; ⁶Emeritus and Past Director, Department of

Neuroimmunology and Neuromuscular Diseases, Fondazione IRCCS, Istituto Nazionale

Neurologico Carlo Besta, Milan, Italy; ⁷Université Côte d'Azur, Peripheral Nervous System &

Muscle Department, Pasteur 2 Hospital, Centre Hospitalier Universitaire de Nice, Nice,

France; 8Department of Neurology, Hanamaki General Hospital, Hanamaki, Japan;

⁹Department of Neurology, University of South Florida Morsani College of Medicine, Tampa,

FL, USA; ¹⁰UCB, Monheim, Germany; ¹¹UCB, Slough, UK; ¹²Copenhagen Neuromuscular

Center, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen,

Denmark

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Corresponding author: Dr Vera Bril

Email: vera.bril@utoronto.ca

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Supplementary Information

Online Resource 1 Plain language summary

Generalized myasthenia gravis (gMG) is a neuromuscular disease that causes unpredictable muscle weakness which may require lifelong treatment. A Phase 3 study called MycarinG (NCT03971422) showed that one 6-week cycle of once-weekly rozanolixizumab treatment improved disease symptoms compared with placebo in adult patients with gMG. After completing the MycarinG study, patients could enroll in the open-label extension study MG0004 (NCT04124965), which assessed the safety and efficacy of long-term weekly rozanolixizumab treatment. Patients received once-weekly rozanolixizumab 7 mg/kg or 10 mg/kg for up to 52 weeks, followed by an 8-week observation period.

In the MG0004 study, 70 patients received rozanolixizumab 7 mg/kg (n=35) or 10 mg/kg (n=35). Mean treatment duration was 22.9 and 23.7 weeks, respectively; study participation was low after Week 33 because patients had the option to enroll in a different open-label extension study to receive symptom-driven cycles of rozanolixizumab instead of continuous weekly treatment. In MG0004, side effects were reported in 85.7% of patients. Most side effects were mild or moderate. The most common side effects were headache (35.7% of patients), diarrhea (18.6% of patients) and decreased blood immunoglobulin G (15.7% of patients). There were no reports of any opportunistic infections, serious or severe infections, serious or severe hypersensitivity reactions, serious or severe injection-site reactions, any anaphylactic reactions or any side effects related to albumin or lipid abnormalities.

Improvements from baseline in the Myasthenia Gravis Activities of Daily Living score were observed; the largest mean reduction from baseline was 3.1 in the 7 mg/kg group at Week 13 and 4.1 in the 10 mg/kg group at Week 21.

In this study, treatment with up to 52 weekly doses of rozanolixizumab was generally well tolerated and improvements across disease-specific outcomes were maintained, supporting the long-term use of rozanolixizumab for the treatment of patients with gMG.

Online Resource 2 Patient flow from MycarinG through MG0004 and MG0007

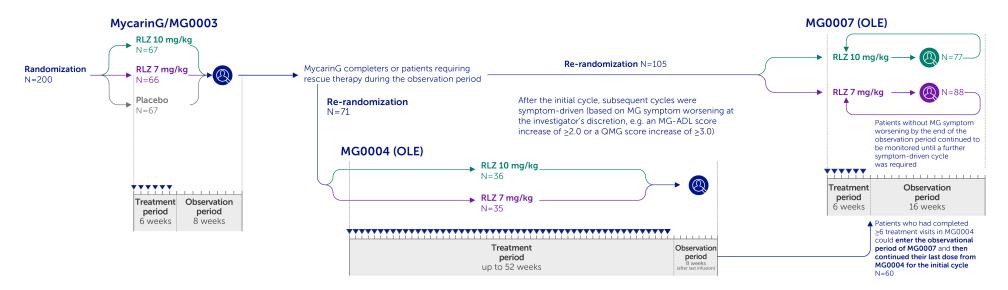


Figure adapted with permission from Bril V, Drużdż A, Grosskreutz J, Habib AA, Mantegazza R, Sacconi S, Utsugisawa K, et al (2025) Rozanolixizumab in generalized myasthenia gravis: Pooled analysis of the Phase 3 MycarinG study and two open-label extensions. J Neuromuscul Dis :22143602241305511. https://doi.org/10.1177/22143602241305511. MG, myasthenia gravis; MG-ADL, Myasthenia Gravis Activities of Daily Living; OLE, open-label extension; QMG, Quantitative Myasthenia Gravis; RLZ, rozanolixizumab.

Online Resource 3 MG0004 co-investigators and contributors

Name	Location	Role	Contribution
Rodrigo Álvarez-Velasco	Hospital de la Santa Creu i Sant Pau, Barcelona, Spain	Principal	Supported with the
_		Investigator	acquisition of data
Radwa Aly	Department of Neurology & Rehabilitation Medicine, George Washington	Study	Supported with the
-	University, Washington, DC, USA	Coordinator	acquisition of data
Henning Andersen	Department of Neurology, Aarhus University Hospital, Aarhus, Denmark	Principal	Supported with the
_		Investigator	acquisition of data
Giovanni Antonini	Sapienza University of Rome, Department of Neurosciences, Mental Health	Principal	Supported with the
	and Sensory Organs (NESMOS), Italy	Investigator	acquisition of data
Aramide Balogun	Houston Methodist Hospital, Houston, TX, USA	Study	Supported with the
· ·		Coordinator	acquisition of data
Ruggero Barnabei	Fondazione Mondino Istituto Neurologico Nazionale a Carattere Scientifico –	Sub	Supported with the
	IRCCS, Pavia, Italy	Investigator	acquisition of data
Said Beydoun	University of Southern California Keck School of Medicine, Los Angeles, CA,	Principal	Supported with the
-	USA	Investigator	acquisition of data
Franz Blaes	Klinik für Neurologie, Klinikum Oberberg, Gummersbach, Germany	Principal	Supported with the
		Investigator	acquisition of data
Silvia Bonarino	Fondazione Istituto di Ricovero e Cura a Carattere Scientifico, Istituto	Sub	Supported with the
	Neurologico Carlo Besta, Italy	Investigator	acquisition of data
Anna Boss Soevang	Rigshospitalet, Denmark	Study	Supported with the
_		Coordinator	acquisition of data
Nazibrola Botchorishvili	LTD Simon Khechinashvili University Hospital, Georgia	Sub	Supported with the
		Investigator	acquisition of data
Stephan A. Botez	Centre Hospitalier de l'Université de Montréal, Montreal, QC, Canada	Principal	Supported with the
		Investigator	acquisition of data
Ivo Bozovic	Neurology Clinic, University Clinical Center of Serbia, Faculty of Medicine,	Sub	Supported with the
	University of Belgrade, Belgrade, Serbia	Investigator	acquisition of data
Paulina Budzinska	Miejskie Centrum Medyczne JONSCHER im. dr Karola Jonschera w Łodzi,	Sub	Supported with the
	Lodz, Poland	Investigator	acquisition of data
Pietro Businaro	Fondazione Mondino Istituto Neurologico Nazionale a Carattere Scientifico –	Sub	Supported with the
	IRCCS, Pavia, Italy	Investigator	acquisition of data

Lucia Campetella	PU A. Gemelli, Università Cattolica del Sacro Cuore, Italy	Sub	Supported with the
		Investigator	acquisition of data
Ana Belen Cánovas	Hospital Universitari Vall D Hebron, Spain	Sub	Supported with the
		Investigator	acquisition of data
Carlos Casasnovas	Hospital Universitari de Bellvitge-IDIBELL and CIBERER, Barcelona, Spain	Principal	Supported with the
		Investigator	acquisition of data
Hou-Chang Chiu	Department of Neurology, Shin Kong Wu Ho-Su Memorial Hospital, Taipei,	Sub	Supported with the
	Taiwan	Investigator	acquisition of data
His-Chieh Chou	Taipei Veterans General Hospital, Taipei, Taiwan	Study	Supported with the
		Coordinator	acquisition of data
Adam Comer	Indiana University Health Neuroscience Center, Indianapolis, IN, USA	Sub	Supported with the
		Investigator	acquisition of data
Elena Cortés Vicente	Hospital de la Santa Creu i Sant Pau, Barcelona, Spain	Principal	Supported with the
		Investigator	acquisition of data
Roberto D'Angelo	IRCCS Istituto delle Scienze Neurologiche di Bologna, Bologna, Italy	Sub	Supported with the
· ·		Investigator	acquisition of data
Lubna Daniyal	University Health Network, Toronto, ON, Canada	Study	Supported with the
•		Coordinator	acquisition of data
Annie Dionne	CHU de Québec – Université Laval, Hôpital Enfant-Jésus, Québec, QC,	Principal	Supported with the
	Canada	Investigator	acquisition of data
Péter Diószeghy	Szabolcs-Szatmár-Bereg County Hospitals and University Teaching Hospital,	Principal	Supported with the
	Nyiregyháza, Hungary	Investigator	acquisition of data
Laura Fionda	AOU Sant'Andrea Roma, Italy	Sub	Supported with the
		Investigator	acquisition of data
Denis Flemm	UCB, Monheim, Germany	Operational	Supported with the
	•	study conduc	t acquisition of data
Rita Frangiamore	Fondazione Istituto di Ricovero e Cura a Carattere Scientifico, Istituto	Sub	Supported with the
· ·	Neurologico Carlo Besta, Italy	Investigator	acquisition of data
Manuela Gambella	Université Côte d'Azur, Peripheral Nervous System and Muscle Department,	Study	Supported with the
	Pasteur 2 Hospital, Centre Hospitalier Universitaire de Nice, Nice, France	Coordinator	acquisition of data
Rachana K. Gandhi	Atrium Health Wake Forest Baptist, Winston-Salem, NC, USA	Principal	Supported with the
Mehta		Investigator	acquisition of data
Matteo Garibaldi	AO S. Andrea, Università degli Studi di Roma La Sapienza, Italy	Sub	Supported with the
	, , , , , , , , , , , , , , , , , , , ,	Investigator	acquisition of data
		<u>J</u>	

Fondazione Mondino Istituto Neurologico Nazionale a Carattere Scientifico - Principal Investigator Principal Principal Investigator Principal				
Christian Geis Klinik für Neurologie, Universitiatsklinikum Jena, Jena, Germany Principal neurostigator Liniversity of California, San Francisco Medical Center, San Francisco, CA, Study Supported with the acquisition of data Stefan Gingele Medizinische Hochschule Hannover, Germany Sub Supported with the linvestigator Liniversitian of data Supported with the acquisition of data Supported with the acquisition of data Supported with the linvestigator Liniversitian of data Supported with the acquisition of data Supported with the linvestigator Liniversitian of Lini	Matteo Gastaldi	<u> </u>		
Stefan Gingele Medizinische Hochschule Hannover, Germany Monica Grau Martin Hospital Universitario de Bellvitge, Spain Yuh-Cherng Guo China Medical University Hospital, Taichung, Taiwan Principal Gerardo Gutiérrez Meurology Department, Hospital Universitario Infanta Sofia Universidad Europea de Madrid, Department of Medicine, Faculty of Biomedical and Health Investigator Sciences. Madrid, Spain Francesco Clinical Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany University of Copenhagen, Copenhagen, Denmark Multiple Sclerosis and Clinical Neuroinna, San Francisco Medical Center, San Francisco, CA, USA Marina Janelidze University of California, San Francisco Medical Center, San Francisco, CA, USA University of Pennsylvania, Philadelphia, PA, USA Copridator Supported with the acquisition of data	Christian Geis		Principal	Supported with the
Monica Grau Martin	Hannah George		,	
Yuh-Cherng Guo China Medical University Hospital, Taichung, Taiwan Principal Gerardo Gutiérrez Neurology Department, Hospital Universitario Infanta Sofía. Universidad Europea de Madrid. Department. of Medicine, Faculty of Biomedical and Health Europea de Madrid, Spain Francesco Clinical Neurologigy Unit, Cardarelli Hospital, Naples, Italy Francesco Lina Hassoun Klinik für Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany Sonja Holm-Yildiz Copenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark Investigator Copenhagen Veuromuscular Center, Department of Neurology, Rigshospitalet, University of Alberta, Edmonton, AB, Canada Viktoriya Irodenko Viktoriya Irodenko Win Kang University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of Pennsylvania, Philadelphia, PA, USA Principal Supported with the acquisition of data	Stefan Gingele	Medizinische Hochschule Hannover, Germany		
Gerardo Gutiérrez Neurology Department, Hospital Universitario Infanta Sofia. Universidad Europea de Madrid. Department. of Medicine, Faculty of Biomedical and Health Investigator Sciences. Madrid, Spain Francesco Clinical Neurophysiology Unit, Cardarelli Hospital, Naples, Italy Habetswallner Lina Hassoun Klinik für Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany Sub Supported with the Investigator acquisition of data Sonja Holm-Yildiz Copenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark Faraz Hussain University of Alberta, Edmonton, AB, Canada Francisca Iniesta Multiple Sclerosis and Clinical Neuroimmunology Unit, Neurology Department, Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, Spain Viktoriya Irodenko University of California, San Francisco Medical Center, San Francisco, CA, USA Marina Janelidze Simon Khechinashvili University Hospital, Tbilisi, Georgia Min Kang University of Pennsylvania, Philadelphia, PA, USA Investigator Principal Supported with the acquisition of data Supported with the Investigator Acquisition of data Chafic Karam University of Pennsylvania, Philadelphia, PA, USA Principal Supported with the Investigator Acquisition of data	Monica Grau Martin	Hospital Universitario de Bellvitge, Spain	•	
Europea de Madrid. Department. of Medicine, Faculty of Biomedical and Health Investigator Sciences. Madrid, Spain Francesco Habetswallner Clinical Neurophysiology Unit, Cardarelli Hospital, Naples, Italy Habetswallner Clinical Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany Klinik für Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany Sonja Holm-Yildiz Copenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark Faraz Hussain University of Alberta, Edmonton, AB, Canada Francisca Iniesta Multiple Sclerosis and Clinical Neuroimmunology Unit, Neurology Department, Hospital Clinico Universitario Virgen de la Arrixaca, Murcia, Spain Viktoriya Irodenko University of California, San Francisco Medical Center, San Francisco, CA, USA Marina Janelidze Min Kang University of California, San Francisco Medical Center, San Francisco, CA, USA University of Pennsylvania, Philadelphia, PA, USA Principal Supported with the acquisition of data Simon Khechinashvili University Hospital, Tbilisi, Georgia Principal University of California, San Francisco Medical Center, San Francisco, CA, Sub Investigator acquisition of data Principal Chafic Karam University of Pennsylvania, Philadelphia, PA, USA	Yuh-Cherng Guo	China Medical University Hospital, Taichung, Taiwan		
HabetswallnerInvestigatoracquisition of dataLina HassounKlinik für Neurologie, Universitätsmedizin Göttingen, Göttingen, GermanySub InvestigatorSupported with the acquisition of dataSonja Holm-YildizCopenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen, DenmarkSub InvestigatorSupported with the acquisition of dataFaraz HussainUniversity of Alberta, Edmonton, AB, CanadaStudy CoordinatorSupported with the CoordinatorSupported with the Acquisition of dataFrancisca IniestaMultiple Sclerosis and Clinical Neuroimmunology Unit, Neurology Department, Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, SpainStudy Supported with the CoordinatorSupported with the Acquisition of dataViktoriya IrodenkoUniversity of California, San Francisco Medical Center, San Francisco, CA, USASub Supported with the InvestigatorSupported with the acquisition of dataMarina JanelidzeSimon Khechinashvili University Hospital, Tbilisi, GeorgiaPrincipal InvestigatorSupported with the acquisition of dataMin KangUniversity of California, San Francisco Medical Center, San Francisco, CA, USASub Supported with the InvestigatorSupported with the acquisition of dataChafic KaramUniversity of Pennsylvania, Philadelphia, PA, USAPrincipalSupported with the		Europea de Madrid. Department. of Medicine, Faculty of Biomedical and Health		
Sonja Holm-Yildiz Copenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark University of Alberta, Edmonton, AB, Canada Study Coordinator Coordinator Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, Spain University of California, San Francisco Medical Center, San Francisco, CA, USA Wintersity of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of Pennsylvania, Philadelphia, PA, USA Principal Supported with the acquisition of data		Clinical Neurophysiology Unit, Cardarelli Hospital, Naples, Italy		
Sonja Holm-YildizCopenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen, DenmarkSub InvestigatorSupported with the acquisition of dataFaraz HussainUniversity of Alberta, Edmonton, AB, CanadaStudy CoordinatorSupported with the acquisition of dataFrancisca IniestaMultiple Sclerosis and Clinical Neuroimmunology Unit, Neurology Department, Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, SpainStudy CoordinatorSupported with the acquisition of dataViktoriya IrodenkoUniversity of California, San Francisco Medical Center, San Francisco, CA, USASub InvestigatorSupported with the acquisition of dataMarina JanelidzeSimon Khechinashvili University Hospital, Tbilisi, GeorgiaPrincipal InvestigatorSupported with the acquisition of dataMin KangUniversity of California, San Francisco Medical Center, San Francisco, CA, USASub InvestigatorSupported with the acquisition of dataChafic KaramUniversity of Pennsylvania, Philadelphia, PA, USAPrincipalSupported with the	Lina Hassoun	Klinik für Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany		
Francisca Iniesta Multiple Sclerosis and Clinical Neuroimmunology Unit, Neurology Department, Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, Spain Viktoriya Irodenko University of California, San Francisco Medical Center, San Francisco, CA, USA Marina Janelidze Simon Khechinashvili University Hospital, Tbilisi, Georgia Min Kang University of California, San Francisco Medical Center, San Francisco, CA, University of California, San Francisco Medical Center, San Francisco, CA, University of California, San Francisco Medical Center, San Francisco, CA, University of California, San Francisco Medical Center, San Francisco, CA, University of California, San Francisco Medical Center, San Francisco, CA, University of Pennsylvania, Philadelphia, PA, USA Principal Supported with the acquisition of data Supported with the Investigator Acquisition of data	Sonja Holm-Yildiz			Supported with the
Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, Spain Viktoriya Irodenko University of California, San Francisco Medical Center, San Francisco, CA, USA Simon Khechinashvili University Hospital, Tbilisi, Georgia Min Kang University of California, San Francisco Medical Center, San Francisco, CA, University of California, San Francisco Medical Center, San Francisco, CA, USA University of California, San Francisco Medical Center, San Francisco, CA, USA University of Pennsylvania, Philadelphia, PA, USA Principal Supported with the Investigator acquisition of data Supported with the Supported with the Investigator Acquisition of data Supported with the	Faraz Hussain	University of Alberta, Edmonton, AB, Canada	,	
Warina JanelidzeSimon Khechinashvili University Hospital, Tbilisi, GeorgiaPrincipal InvestigatorSupported with the acquisition of dataMin KangUniversity of California, San Francisco Medical Center, San Francisco, CA, USASub Supported with the Investigator acquisition of dataChafic KaramUniversity of Pennsylvania, Philadelphia, PA, USAPrincipalSupported with the	Francisca Iniesta		,	
Marina JanelidzeSimon Khechinashvili University Hospital, Tbilisi, GeorgiaPrincipal InvestigatorSupported with the acquisition of dataMin KangUniversity of California, San Francisco Medical Center, San Francisco, CA, USASub InvestigatorSupported with the acquisition of dataChafic KaramUniversity of Pennsylvania, Philadelphia, PA, USAPrincipalSupported with the	Viktoriya Irodenko	University of California, San Francisco Medical Center, San Francisco, CA,		Supported with the
Min KangUniversity of California, San Francisco Medical Center, San Francisco, CA, USASub Investigator Supported with the acquisition of dataChafic KaramUniversity of Pennsylvania, Philadelphia, PA, USAPrincipalSupported with the	Marina Janelidze	Simon Khechinashvili University Hospital, Tbilisi, Georgia	Principal	Supported with the
Chafic Karam University of Pennsylvania, Philadelphia, PA, USA Principal Supported with the	Min Kang		Sub	Supported with the
	Chafic Karam	University of Pennsylvania, Philadelphia, PA, USA	Principal	Supported with the

Denis Korobko	State Novosibirsk Regional Clinical Hospital, Novosibirsk, Russia	Sub	Supported with the
		Investigator	acquisition of data
Sergey Kotov	Vladimirsky Moscow Regional Research and Clinical Institute, Moscow, Russia	Principal	Supported with the
		Investigator	acquisition of data
Michal Kretkowski	Clinical Research Center Sp. Z o.o., Medic-R Sp. K., Poland	Sub	Supported with the
		Investigator	acquisition of data
Nana Kvirkvelia	LTD Petre Sarajishvili Institute of Neurology, Georgia	Sub	Supported with the
		Investigator	acquisition of data
Antonio Lauletta	AO S. Andrea, Università degli Studi di Roma La Sapienza, Italy	Sub	Supported with the
		Investigator	acquisition of data
Yi-Chung Lee	Taipei Veterans General Hospital, Taipei, Taiwan	Principal	Supported with the
		Investigator	acquisition of data
Luca Leonardi	AOU Sant'Andrea Roma, Italy	Sub	Supported with the
		Investigator	acquisition of data
Kore Liow	Hawaii Pacific Neuroscience, Honolulu, HI, USA	Principal	Supported with the
		Investigator	acquisition of data
Arnau Llauradó Gayete	Hospital Universitari Vall D Hebron, Spain	Sub	Supported with the
		Investigator	acquisition of data
Sara Llufriu	Servicio de Neurología ICN, Hospital Clinic de Barcelona, Universitat de	Sub	Supported with the
	Barcelona, Barcelona, Spain	Investigator	acquisition of data
Catherine Lomen-Hoerth	University of California, San Francisco Medical Center, San Francisco, CA,	Principal	Supported with the
	USA	Investigator	acquisition of data
Jan D. Lünemann	Klinik für Neurologie, Universitätsklinikum Münster, Münster, Germany	Sub	Supported with the
		Investigator	acquisition of data
Lorenzo Maggi	Fondazione Istituto di Ricovero e Cura a Carattere Scientifico, Istituto	Sub	Supported with the
	Neurologico Carlo Besta, Italy	Investigator	acquisition of data
Eugenia Martínez	Servicio de Neurología ICN, Hospital Clinic de Barcelona, Universitat de	Principal	Supported with the
Hernández	Barcelona, Barcelona, Spain	Investigator	acquisition of data
Gianvito Masi	PU A. Gemelli, Università Cattolica del Sacro Cuore, Italy	Sub	Supported with the
		Investigator	acquisition of data
Marion Masingue	Neurology Department, Pitié Salpêtrière-Charles Foix Hospital Group, AP-HP,	Sub	Supported with the
	Sorbonne University, Paris, France	Investigator	acquisition of data
Rami Massie	Clinical Research Unit, The Montreal Neurological Institute, Montreal, QC,	Sub	Supported with the
	Canada	Investigator	acquisition of data

Marco Masullo	Istituto delle Scienze Neurologiche, Italy	Sub	Supported with the
		Investigator	acquisition of data
Federico Mazzacane	Fondazione Mondino Istituto Neurologico Nazionale a Carattere Scientifico –	Sub	Supported with the
	IRCCS, Pavia, Italy	Investigator	acquisition of data
Nora Möhn	Medizinische Hochschule Hannover, Germany	Sub	Supported with the
		Investigator	acquisition of data
Stefania Morino	AOU Sant'Andrea Roma, Italy	Sub	Supported with the
		Investigator	acquisition of data
Kelsey Moulton	University of Pennsylvania, Philadelphia, PA, USA	Study	Supported with the
		Coordinator	acquisition of data
Tahseen Mozaffar	MDA ALS and Neuromuscular Center, University of California, Irvine, CA, USA	Sub	Supported with the
		Investigator	acquisition of data
Elene Nebadze	LTD Petre Sarajishvili Institute of Neurology, Georgia	Sub	Supported with the
		Investigator	acquisition of data
Velina Nedkova-Hristova	Hospital Universitari de Bellvitge-IDIBELL and CIBERER, Barcelona, Spain	Sub	Supported with the
		Investigator	acquisition of data
Eduardo Ng	University Health Network, Toronto, ON, Canada	Study	Supported with the
_		Coordinator	acquisition of data
Ekaterina Novikova	Vladimirsky Moscow Regional Research and Clinical Institute, Moscow, Russia	Sub	Supported with the
		Investigator	acquisition of data
Izabella Obál	Department of Neurology, Aalborg University Hospital, Aalborg, Denmark	Principal	Supported with the
		Investigator	acquisition of data
Anita Palsgård	Aalborg Sygehus Nord, Denmark	Study	Supported with the
		Coordinator	acquisition of data
Claudia Papi	PU A. Gemelli, Università Cattolica del Sacro Cuore, Italy	Sub	Supported with the
		Investigator	acquisition of data
Lorena Pérez	Hospital Universitario Infanta Sofía, Spain	Study	Supported with the
		Coordinator	acquisition of data
Stojan Peric	Neurology Clinic, University Clinical Center of Serbia, Faculty of Medicine,	Principal	Supported with the
	University of Belgrade, Belgrade, Serbia	Investigator	acquisition of data
Mikhail Petrov	St. Petersburg Regional Clinical Hospital, Russia	Sub	Supported with the
		Investigator	acquisition of data
Nicolai Rasmus Preisler	Rigshospitalet, Denmark	Sub	Supported with the
		Investigator	acquisition of data
			·

Giorgia Querin	Neurology Department, Pitié Salpêtrière-Charles Foix Hospital Group, AP-HP,	Sub	Supported with the
	Sorbonne University, Paris, France	Investigator	acquisition of data
Konrad Rejdak	Department of Neurology, Medical University of Lublin, Lublin, Poland	Principal	Supported with the
		Investigator	acquisition of data
Kourosh Rezania	University of Chicago, Chicago, IL, USA	Principal	Supported with the
		Investigator	acquisition of data
Elena Rinaldi	Fondazione Istituto di Ricovero e Cura a Carattere Scientifico, Istituto	Study	Supported with the
	Neurologico Carlo Besta, Italy	Coordinator	acquisition of data
Rita Rinaldi	IRCCS Istituto delle Scienze Neurologiche di Bologna, Bologna, Italy	Principal	Supported with the
		Investigator	acquisition of data
Michael H. Rivner	Department of Neurology, Augusta University, Augusta, GA, USA	Principal	Supported with the
		Investigator	acquisition of data
Annekathrin Roediger	Klinik für Neurologie, Universtitätsklinikum Jena, Jena, Germany	Sub	Supported with the
9		Investigator	acquisition of data
Laura Rosow	University of California, San Francisco Medical Center, San Francisco, CA,	Sub	Supported with the
	USA	Investigator	acquisition of data
Simone Rossi	IRCCS Istituto delle Scienze Neurologiche di Bologna, Bologna, Italy	Sub	Supported with the
		Investigator	acquisition of data
Elena Rossini	AOU Sant'Andrea Roma, Italy	Sub	Supported with the
	•	Investigator	acquisition of data
Stephen Ryan	University of Kentucky, Lexington, KY, USA	Sub	Supported with the
-		Investigator	acquisition of data
Lotte Sahin Levison	Aarhus Universitetshospital, Denmark	Sub	Supported with the
		Investigator	acquisition of data
Albert Saiz	Servicio de Neurología ICN, Hospital Clinic de Barcelona, Universitat de	Principal	Supported with the
	Barcelona, Barcelona, Spain	Investigator	acquisition of data
Maria Salvado	Vall d'Hebron University Hospital, Passeig de la Vall d'Hebron, Barcelona,	Sub	Supported with the
	Spain	Investigator	acquisition of data
Daniel Sánchez-Tejerina	Hospital Universitari Vall D Hebron, Spain	Sub	Supported with the
•	·	Investigator	acquisition of data
Margret Schwarz	Klinik für Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany	Study	Supported with the
•		Coordinator	acquisition of data
María Sepúlveda	Servicio de Neurología ICN, Hospital Clinic de Barcelona, Universitat de	Sub	Supported with the
•	Barcelona, Barcelona, Spain	Investigator	acquisition of data
	· ' 1		

Khema R. Sharma	University of Miami Miller School of Medicine, Miami, FL, USA	Principal	Supported with the
		Investigator	acquisition of data
Sheetal Shroff	Houston Methodist Hospital, Houston, TX, USA	Principal	Supported with the
		Investigator	acquisition of data
Olga Sidorova	Vladimirsky Moscow Regional Research and Clinical Institute, Moscow, Russia	Sub	Supported with the
		Investigator	acquisition of data
Guilhem Solé	Neuromuscular Reference Center AOC, Nerve-Muscle Unit, Bordeaux	Principal	Supported with the
	University Hospitals, Bordeaux, France	Investigator	acquisition of data
Javier Sotoca	Vall d'Hebron University Hospital, Passeig de la Vall d'Hebron, Barcelona,	Sub	Supported with the
	Spain	Investigator	acquisition of data
Mads Stemmerik	Copenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet,	Sub	Supported with the
	University of Copenhagen, Copenhagen, Denmark	Investigator	acquisition of data
Aleksandar Stojanov	Clinic for Neurology, Clinical Centre Nis, Nis, Serbia	Sub	Supported with the
-		Investigator	acquisition of data
Tanya Stojkovic	Neurology Department, Pitié Salpêtrière-Charles Foix Hospital Group, AP-HP,	Sub	Supported with the
	Sorbonne University, Paris, France	Investigator	acquisition of data
Kai Su	University of Kentucky, Lexington, KY, USA	Study	Supported with the
		Coordinator	acquisition of data
Sebastian Szklener	Department of Neurology, Medical University of Lublin, Lublin, Poland	Sub	Supported with the
		Investigator	acquisition of data
Alexander Tsiskaridze	Pineo Medical Ecosystem, Tbilisi, Georgia	Principal	Supported with the
		Investigator	acquisition of data
Laura Tufano	AOU Sant'Andrea Roma, Italy	Sub	Supported with the
		Investigator	acquisition of data
Michaela Tyblova	Department of Neurology and Center of Clinical Neuroscience, First Faculty of	Principal	Supported with the
	Medicine Charles University and General Hospital, Prague, Czech Republic	Investigator	acquisition of data
Eiko Uenaka	Department of Neurology, Osaka University Hospital, Osaka, Japan	Study	Supported with the
		Coordinator	acquisition of data
Astrid Unterlauft	Klinik und Poliklinik für Neurologie, Universitätsklinikum Leipzig A.ö.R, Leipzig,	Sub	Supported with the
	Germany	Investigator	acquisition of data
Gabriel Valero	Multiple Sclerosis and Clinical Neuroimmunology Unit, Neurology Department,	Sub	Supported with the
	Hospital Clínico Universitario Virgen de la Arrixaca, Murcia, Spain	Investigator	acquisition of data
Fiammetta Vanoli	Fondazione Istituto di Ricovero e Cura a Carattere Scientifico, Istituto	Sub	Supported with the
	Neurologico Carlo Besta, Italy	Investigator	acquisition of data

Tamar Vashadze	Pineo Medical Ecosystem, Tbilisi, Georgia	Sub	Supported with the
		Investigator	acquisition of data
Nuria Vidal Fernández	Hospital de la Santa Creu i Sant Pau, Barcelona, Spain	Study	Supported with the
		Coordinator	acquisition of data
Marie-Hélène Violleau	Neuromuscular Reference Center AOC, Nerve-Muscle Unit, Bordeaux	Study	Supported with the
	University Hospitals, Bordeaux, France	Coordinator	acquisition of data
Nicolas Weiss	Neurology Department, Pitié Salpêtrière-Charles Foix Hospital Group, AP-HP,	Sub	Supported with the
	Sorbonne University, Paris, France	Investigator	acquisition of data
Nanna Witting	Copenhagen Neuromuscular Center, Department of Neurology, Rigshospitalet,	Sub	Supported with the
	University of Copenhagen, Copenhagen, Denmark	Investigator	acquisition of data
Jiann-Horng Yeh	Department of Neurology, Shin Kong Wu Ho-Su Memorial Hospital, Taipei,	Principal	Supported with the
	Taiwan	Investigator	acquisition of data
Leila Zaidi	Centre de Référence des Maladies Neuromusculaires NEIdF, Département de	Study	Supported with the
	Neurologie, Hôpital de Hautepierre, Centre Hospitalier Universitaire de	Coordinator	acquisition of data
	Strasbourg and ERO-NMD Strasbourg, Strasbourg, France		
Leonid Zaslavskiy	St. Petersburg Regional Clinical Hospital, Russia	Principal	Supported with the
		Investigator	acquisition of data
Jana Zschüntzsch	Klinik für Neurologie, Universitätsmedizin Göttingen, Göttingen, Germany	Principal	Supported with the
		Investigator	acquisition of data