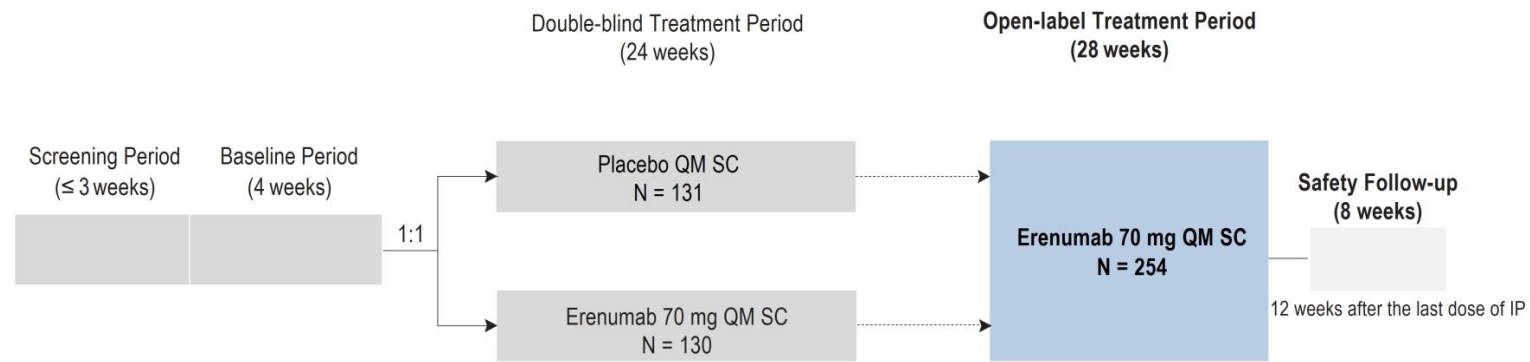


## SUPPLEMENTARY APPENDIX

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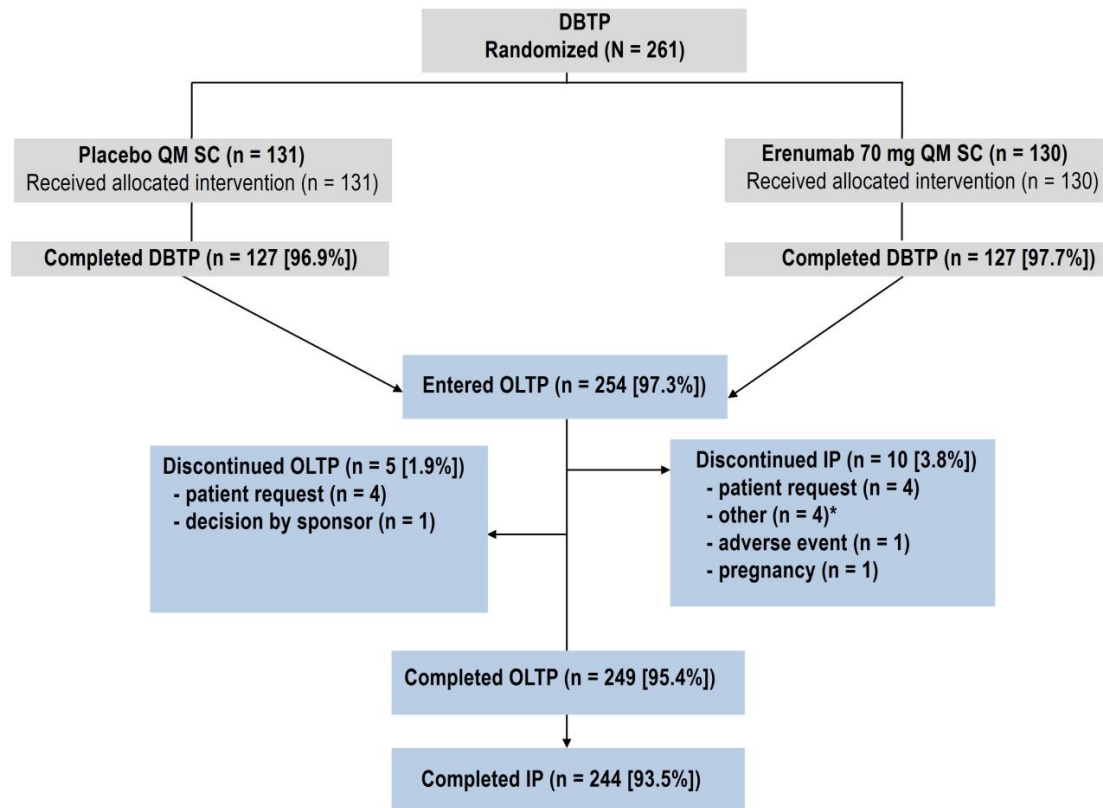
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Figure S1



**Study design.** IP, investigational product; QM, once monthly; SC, subcutaneous.

Figure S2



**Patient disposition.** \*Other refers to COVID-19 control measures. COVID-19, coronavirus disease 2019; DBTP, double-blind treatment period; IP, investigational product; OLTP, open-label treatment period; QM, once monthly; SC, subcutaneous.

**Table S1**

Study Number	Site Number	Site Name	IRB/IEC Name	IRB/IEC Address
20170609	34001	Saitama Neuropsychiatric Institute	Saitama Medical University Hospital Institutional Review Board	38 Moroyamamachi Morohongo, Iruma-gun, Saitama, 350-0495, Japan
20170609	34002	Fukuuchi Pain Clinic	Tokyo-Eki Center-Building Clinic Institutional Review Board	3-3-14 Nihombashi, Chuo-ku, Tokyo, 103-0027, Japan
20170609	34003	Kumamoto City Hospital	Kumamoto City Hospital Institutional Review Board	4-1-60 Higashimachi Higashi-ku, Kumamoto-shi, Kumamoto, 862-8505, Japan
20170609	34005	Dokkyo Medical University Hospital	Dokkyo Medical University Hospital Institutional Review Board	880 Kitakobayashi Mibumachi, Shimotsuga-gun, Tochigi, 321-0293, Japan
20170609	34006	Iwate Medical University Uchimaru Medical Center	Iwate Medical University Hospital Institutional Review Board	19-1 Uchimaru, Morioka-shi, Iwate, 020-8505, Japan
20170609	34007	Niwa Family Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34008	Osoegawa Neurology Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34009	Tanaka Neurosurgical Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34010	Tokyo Headache Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan

20170609	34011	Fujitsu Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34012	Sendai Headache and Neurology Clinic	Gshozuka Clinic Institutional Review Board	1-21-4 Gshozuka Miyamae-ku, Kawasaki- shi, Kanagawa, 216-0021, Japan
20170609	34013	Nagamitsu Clinic	Gshozuka Clinic Institutional Review Board	1-21-4 Gshozuka Miyamae-ku, Kawasaki- shi, Kanagawa, 216-0021, Japan
20170609	34014	Nagaseki Headache Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34015	Negoro Neurology Clinic	Gshozuka Clinic Institutional Review Board	1-21-4 Gshozuka Miyamae-ku, Kawasaki- shi, Kanagawa, 216-0021, Japan
20170609	34016	Saino Clinic	Gshozuka Clinic Institutional Review Board	1-21-4 Gshozuka Miyamae-ku, Kawasaki- shi, Kanagawa, 216-0021, Japan
20170609	34017	St Marianna University School of Medicine Hospital	St Marianna University Group Institutional Review Board	2-16-1 Sugao Miyamae- ku, Kawasaki-shi, Kanagawa, 216-8511, Japan
20170609	34018	Sakura Clinic	Gshozuka Clinic Institutional Review Board	1-21-4 Gshozuka Miyamae-ku, Kawasaki- shi, Kanagawa, 216-0021, Japan
20170609	34019	Tatsuoka Neurology Clinic	Tatsuoka Neurology Clinic Institutional Review Board	35-3 Chudojibojyocho Shimogyo-ku, Kyoto-shi, Kyoto, 600-8811, Japan

20170609	34020	Kitasato University Kitasato Institute Hospital	The IRB of Kitasato University Shirokane Campus	5-9-1 Shirokane, Minato- ku, Tokyo, 108-8642, Japan
20170609	34021	Tokai University Hachioji Hospital	Tokai University Hospitals Institutional Review Board	1-2-5 Yoyogi, Shibuya-ku, Tokyo, 151-0053, Japan
20170609	34021	Tokai University Hachioji Hospital	Tokai University Hospitals Institutional Review Board	143 Shimokasuya, Isehara- shi, Kanagawa, 259-1193, Japan
20170609	34021	Tokai University Hachioji Hospital	Tokai University Hospitals Institutional Review Board	21-1 Gakkyo Oiso-machi, Naka-gun, Kanagawa, 259- 0198, Japan
20170609	34021	Tokai University Hachioji Hospital	Tokai University Hospitals Institutional Review Board	1838 Ishikawamachi, Hachioji-shi, Tokyo, 192- 0032, Japan
20170609	34022	Takase Internal Medicine Clinic	Goshozuka Clinic Institutional Review Board	1-21-4 Goshozuka Miyamae-ku, Kawasaki- shi, Kanagawa, 216-0021, Japan
20170609	34023	Tominaga Hospital	Tominaga Hospital Institutional Review Board	1-4-48 Minatomachi Naniwa-ku, Osaka-shi, Osaka, 556-0017, Japan
20170609	34024	Konan Medical Center	Konan Medical Center IRB	1-5-16 Kamokogahara Higashinada-ku, Kobe-shi, Hyogo, 658-0064, Japan
20170609	34025	Japanese Red Cross Shizuoka Hospital	Japanese Red Cross Shizuoka Hospital IRB	8-2 Otemachi Aoi-ku, Shizuoka-shi, Shizuoka, 420-0853, Japan
20170609	34026	Nakamura Memorial Hospital	Nakamura Memorial Hospital Nakamura Memorial Hospital Institutional Review Board	14-291 Minami 1-jo Nishi, Chuo-ku, Sapporo-shi, Hokkaido, 060-8570, Japan
20170609	34027	Saitama Medical University Hospital	Saitama Medical University Hospital Institutional Review Board	38 Moroyamamachi Morohongo, Iruma-gun, Saitama, 350-0495, Japan

20170609	34028	Sakuragi Headache Clinic	Saga Memorial Hospital Institutional Review Board	1240-1 Nagase Takakise-machi, Saga-shi, Saga, 849-0917, Japan
20170609	34029	Sapporo Isobe Headache and Memory Clinic	Sapporo Medical Associations Institutional Review Board	19-1-1 Odorinishi Chuo-ku, Sapporo-shi, Hokkaido, 060-8581, Japan
20170609	34030	Kokubu Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34031	Umenotsuji Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34032	Sanno Clinic Shinagawa	Shinagawa East One Medical Clinic Institutional Review Board	2-16-1 Kounan, Shinagawa East One 3F, Minato-ku, Tokyo, 108-0075, Japan
20170609	34033	Ooba Clinic for Neurosurgery and Headache	Nihonbashi Sakura Clinic Institutional Review Board	1-9-2 Nihonbashikayabacho, Inamura Building 5F, Chuo-ku, Tokyo, 103-0025, Japan
20170609	34034	Doi Internal Medicine Neurology	Gshozuka Clinic Institutional Review Board	1-21-4 Gshozuka Miyamae-ku, Kawasaki-shi, Kanagawa, 216-0021, Japan
20170609	34035	Ikeda Neurosurgical Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34036	Jinnouchi Neurosurgery Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan

20170609	34037	Kijima Neurosurgery Clinic	Goshozuka Clinic Institutional Review Board	1-21-4 Goshozuka Miyamae-ku, Kawasaki-shi, Kanagawa, 216-0021, Japan
20170609	34038	Medical Corporation Yufukai Shimoda Neurology Clinic	Goshozuka Clinic Institutional Review Board	1-21-4 Goshozuka Miyamae-ku, Kawasaki-shi, Kanagawa, 216-0021, Japan
20170609	34039	Medical Corporation Seikokai Takanoko Hospital	Medical Corporation Seikokai Takanoko Hospital Institutional Review Board	525-1 Takanokomachi, Matsuyama-shi, Ehime, 790-0925, Japan
20170609	34040	Medical Corporation Inoue Neurology Clinic	Medical Corporation Shintokai Yokohama Minoru Clinic Institutional Review Board	1-13-8 Bessho Minami-ku, Yokohama-shi, Kanagawa, 232-0064, Japan
20170609	34041	Sakuma Neurological Clinic	Goshozuka Clinic Institutional Review Board	1-21-4 Goshozuka Miyamae-ku, Kawasaki-shi, Kanagawa, 216-0021, Japan
20170609	34042	Higashi Sapporo Neurology and Neurosurgery Clinic	Nihonbashi Sakura Clinic Institutional Review Board	1-9-2 Nihonbashikayabacho, Inamura Building 5F, Chuo-ku, Tokyo, 103-0025, Japan