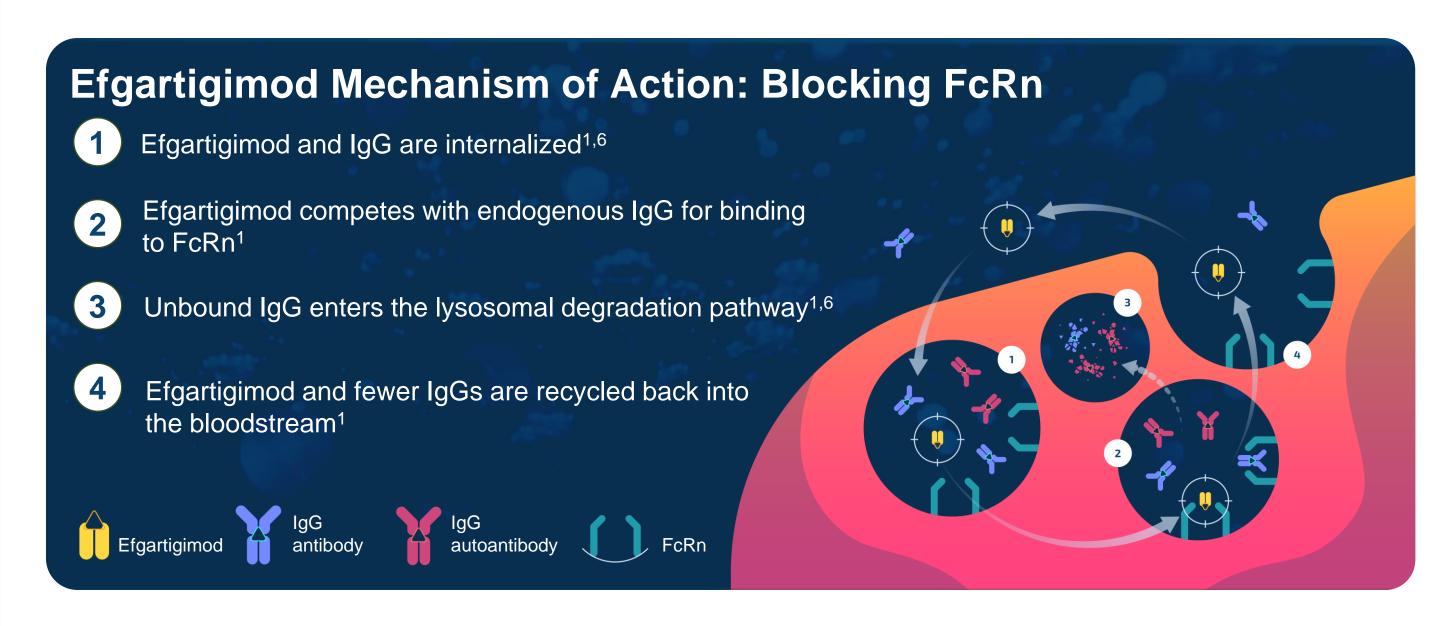


# Long-Term Safety and Efficacy of Subcutaneous Efgartigimod PH20 in Adult Participants With Generalized Myasthenia Gravis: Interim Results of the ADAPT-SC+ Study

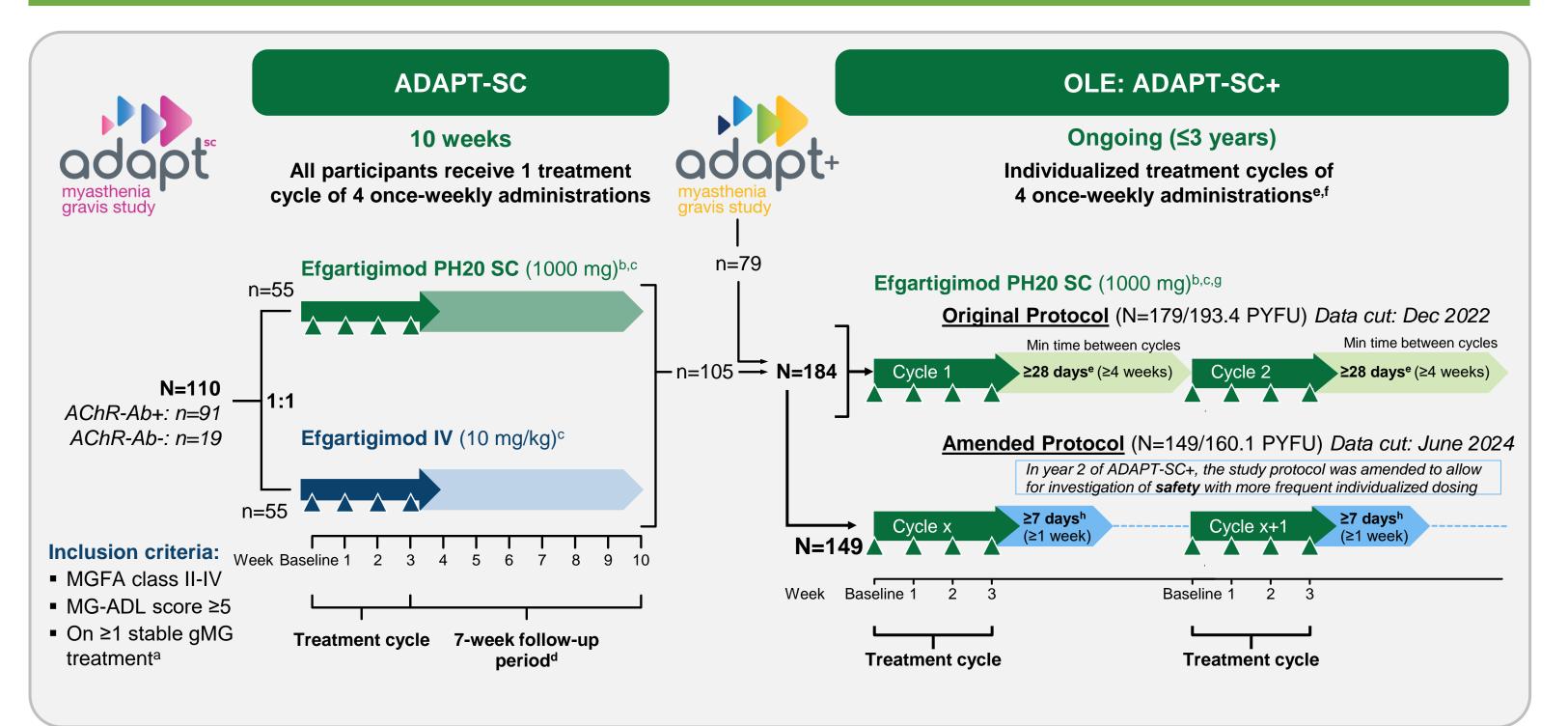
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### INTRODUCTION

- Efgartigimod is an IgG1 antibody Fc fragment that has been engineered for increased affinity to FcRn compared with endogenous IgG and is uniquely composed of the only part of the IgG antibody that normally binds FcRn¹
- Efgartigimod selectively reduces IgG by blocking FcRn-mediated IgG recycling without impacting antibody production or other parts of the immune system, and does not decrease albumin<sup>1-3</sup>
- Efgartigimod PH20 SC is a coformulation of efgartigimod and recombinant human hyaluronidase PH20 (rHuPH20), which allows for rapid SC administration of larger volumes<sup>4,5</sup>



# **METHODS**



<sup>a</sup>AChEIs, steroids, and/or NSISTs. <sup>b</sup>Coformulated with 2000 U/mL rHuPH20. <sup>c</sup>Arrows indicate efgartigimod administration. <sup>d</sup>Participants did not receive efgartigimod treatment in the 7-week follow-up period. <sup>e</sup>≥28 days between the last dose of the previous treatment period and the first dose of the next treatment period and based on the need for treatment as determined by the investigator. Participants who are not in need of retreatment at study entry will instead start with an intertreatment period. <sup>9</sup>Participants were not required to have worsening of MG-ADL to be eligible for subsequent cycles. <sup>h</sup>During the second year onward, it is recommended to have ≥28 days between treatment cycles. However, a subsequent treatment period can be administered earlier based on clinical evaluation at the discretion of the investigator, with a minimum interval of 7 days after the last administration. Only safety data from amended protocol are included here; efficacy data will be presented in subsequent publications.

**Amended Protocol** 

between cycles

≥7 days allowed

## **SUMMARY**



Efgartigimod PH20 SC was well tolerated, even after more frequent dosing (1-4 weeks between cycles) was allowed in ADAPT-SC+, with no new safety signals observed compared with previous efgartigimod studies



No increase in injection site reactions or infections occurred after more frequent dosing (1-4 weeks between cycles) of efgartigimod PH20 SC



Efgartigimod PH20 SC treatment resulted in consistent and repeatable improvements in MG-ADL and MG-QoL15r in AChR-Ab+ participants with gMG



The majority of AChR-Ab+ participants experienced a CMI in MG-ADL, and a subset were able to achieve MSE; the proportions of AChR-Ab+ participants achieving CMI or MSE were consistent across multiple cycles

## **RESULTS**

Table 1. Participant Demographics and Baseline Characteristics Overall and AChR-Ab+ Population

	Original Protocol ≥28 days between cycles		Amended Protocol  ≥7 days allowed between cycles
	Efgartigimod PH20 SC Overall (n=179)	Efgartigimod PH20 SC AChR-Ab+ (n=141)	Efgartigimod PH20 SC Overall (n=149)
Age, years, mean (SD)	50.7 (15.5)	51.0 (15.9)	50.2 (15.4)
Sex, female, n (%)	119 (66.5)	90 (63.8)	102 (68.5)
Weight, kg, median (Q1-Q3)	76.9 (64.0-89.8)	77.0 (63.0-92.0)	76.6 (62.5-89.8)
AChR-Ab+, n (%)	141 (78.8)	141 (100)	118 (79.2)
Total MG-ADL score, mean (SD)	7.9 (3.4)	7.6 (3.4)	7.7 (3.6)
Total MG-QoL15r score, mean (SD)	13.6 (6.9)	13.1 (6.8)	13.0 (6.9)
MG therapy during the first year, n (%)			
Any steroid	128 (71.5)	103 (73.0)	NRª
Any NSIST	89 (49.7)	67 (47.5)	NR <sup>a</sup>
Any AChEI	150 (83.8)	122 (86.5)	NRa
Steroid + NSIST	69 (38.5)	53 (37.6)	NRª
AChEI only	29 (16.2)	23 (16.3)	NRª

<sup>a</sup>The proportion of participants receiving concomitant MG therapies during the first year was consistent with the overall population at study initiation.

■ 184 participants rolled over from ADAPT-SC (n=105) and ADAPT+ (n=79)

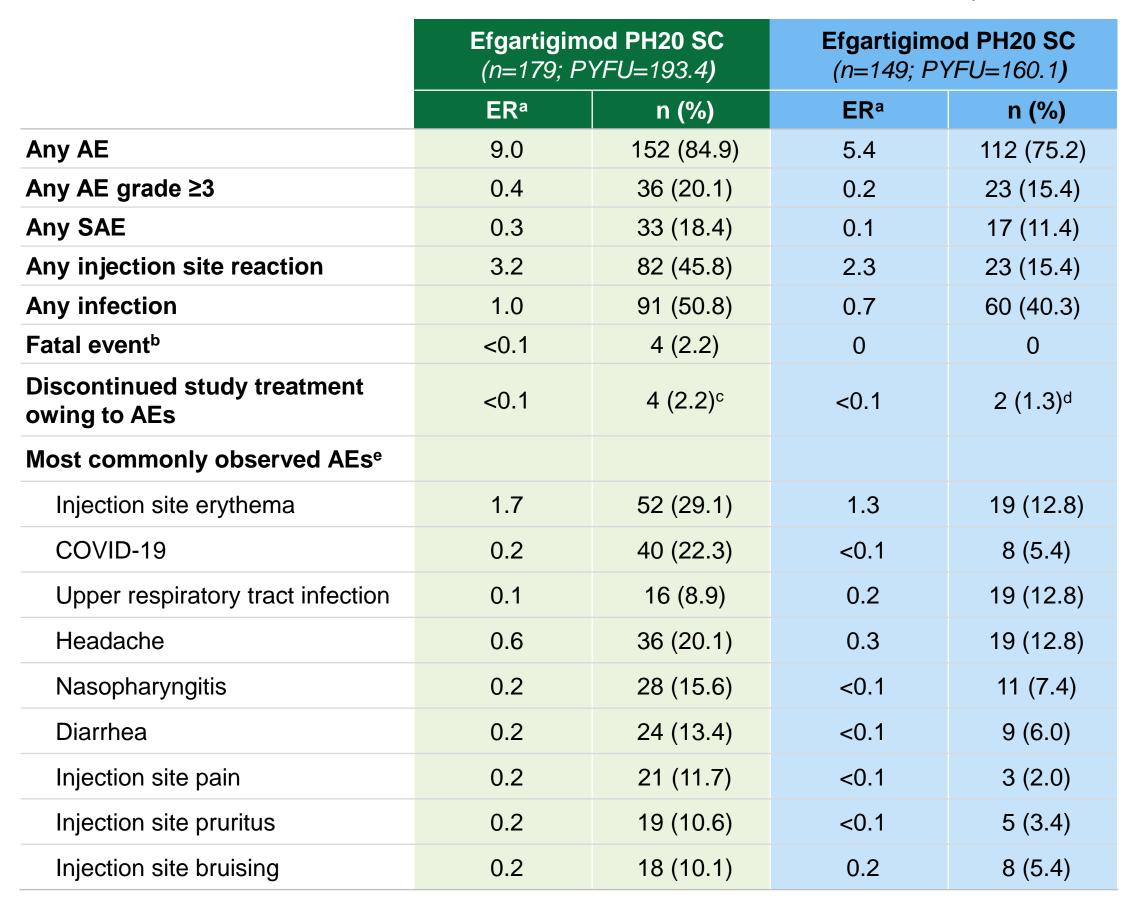
rHuPH20, recombinant human hyaluronidase PH20; SAE, serious adverse event; SC, subcutaneous; SE, standard error.

- 179 participants (141 AChR-Ab+ and 38 AChR-Ab-) received ≥1 dose of efgartigimod PH20 SC in ADAPT-SC+ through December 2022, with a mean (SD) study duration for all participants of 412.9 (104.5) days
- 180 participants (142 AChR-Ab+ and 38 AChR-Ab-; including both original and amended protocols) received ≥1 dose of efgartigimod PH20 SC in ADAPT-SC+ through June 2024, with a mean (SD) duration for all participants of 849.3 (266.3) days

AChEI, acetylcholinesterase inhibitor; AChR-Ab, acetylcholine receptor antibody; AE, adverse event; CMI, clinically meaningful improvement; EQ-5D-5L VAS, EuroQoL 5-Dimension,

#### Table 2. Summary of AEs Overall Population

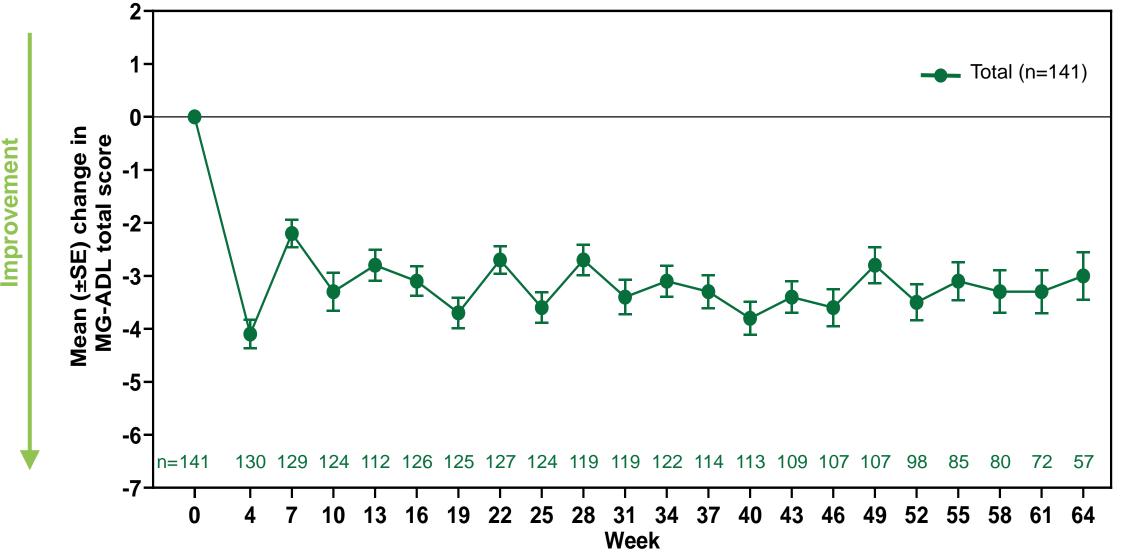
≥28 days between cycles



Event rate was calculated as number of events per total PYFU. Fatal events (metastatic renal cell cancer, cardiac arrest, pulmonary mass, and COVID-19/respiratory failure) were not related to efgartigimod PH20 SC treatment, as determined by investigators. cTreatment discontinuations were due to metastatic renal cell cancer (Cycle 1, death), cardiac arrest (Cycle 2, death), COVID-19/respiratory failure (Cycle 3, death), and MG crisis (Cycle 1). Treatment discontinuations were due to Bowen's disease (Cycle 5), metastases to liver (Cycle 8), and rectal cancer stage IV (Cycle 8). eMost frequent AEs occurring in >10% of participants receiving efgartigimod PH20 SC in either data cut.

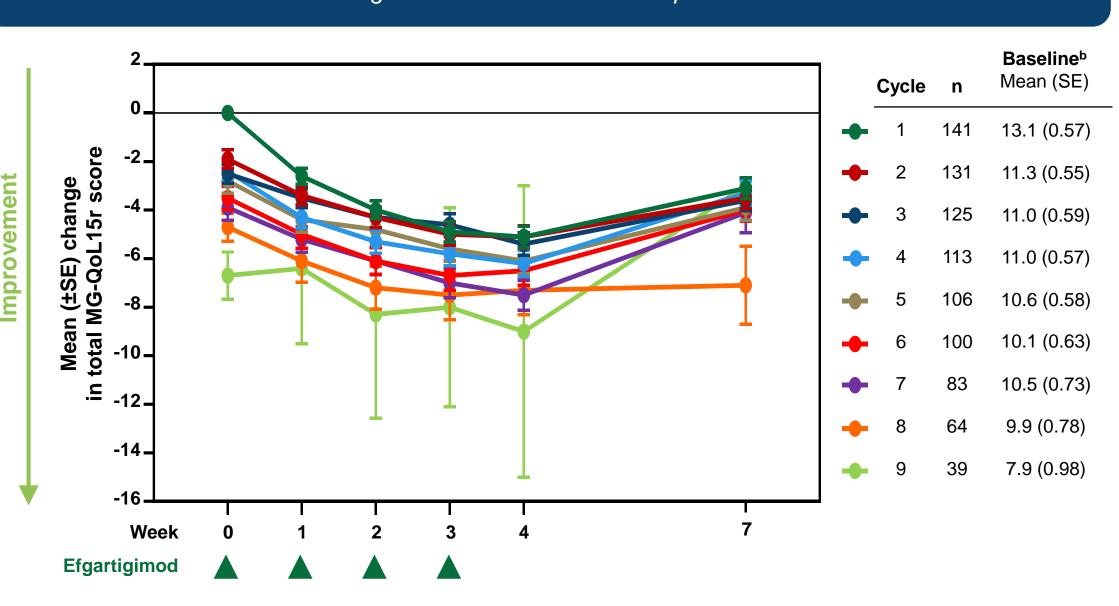
- Participants experiencing injection site reaction events decreased over subsequent cycles; from 34.6% (n=62/179) and 11.4% (n=17/149) in Cycle 1 to 10.3% (n=7/68) and 5.2% (n=3/58) in Cycle 9 for original and amended protocol data cuts, respectively
- In both the original and amended protocol data cuts, no injection site reactions were grade ≥3, serious, or resulted in treatment discontinuation

## Figure 1. Mean Change From Baseline in Total MG-ADL Over Time<sup>a,b</sup> Original Protocol AChR-Ab+ Population



<sup>a</sup>Data presented represents mean change in MG-ADL score from study baseline maintained as patients move through multiple cycles of efgartigimod PH20 SC. bn represents the number of participants with available data per time point.

Figure 3. Mean Change From Study Baseline in MG-QoL15r Across Cycles<sup>a</sup> Original Protocol AChR-Ab+ Population



Values for MG-QoL15r range from 0-30, with higher total scores indicating greater severity of symptoms. The mean (SE) change of MG-QoL15r baseline from Cycle 1 to Cycle 9 was -6.7 (0.97).

#### Figure 2. Minimal Symptom Expression by Cycle (MG-ADL total score of 0 or 1 at any time during a cycle) Original Protocol AChR-Ab+ Population

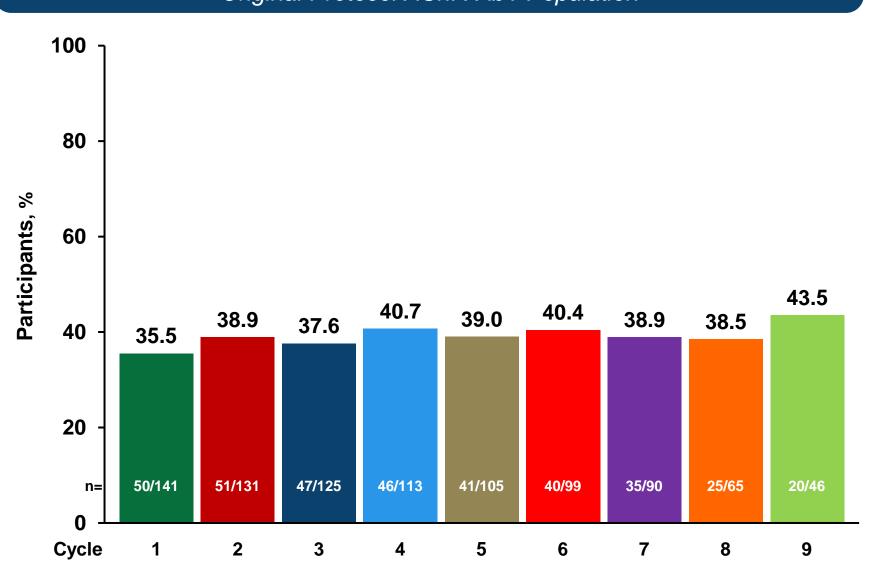
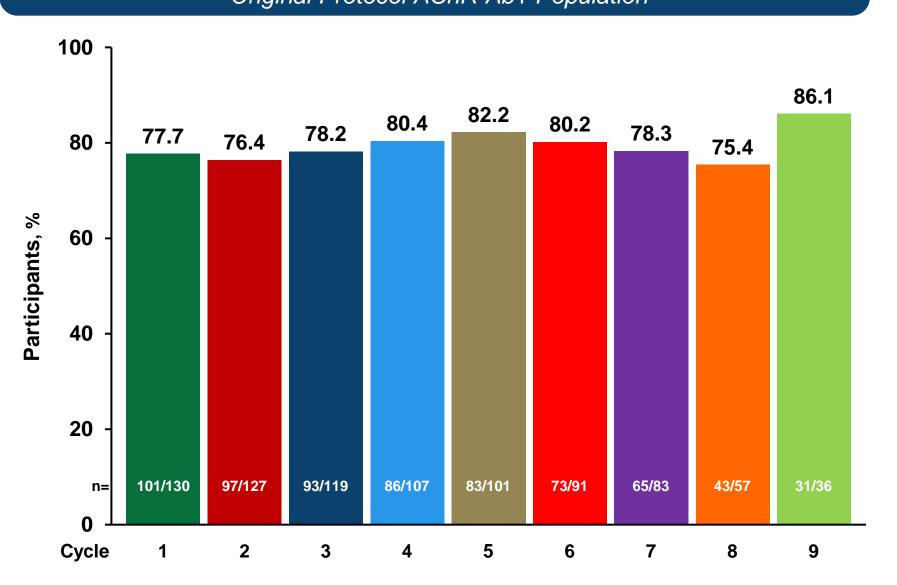


Figure 4. Clinically Meaningful Improvement by Cycle (Decrease of ≥2 in MG-ADL total score at Week 4) Original Protocol AChR-Ab+ Population



**1.** Ulrichts P, et al. *J Clin Invest.* 2018(10);128:4372-4386. **2.** Howard JF Jr, et al. [published correction appears in *Lancet Neurol.* 2021;20(8):e5.]. *Lancet Neurol.* 2021;20(7):526-536. **3.** Guptill

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Protocol v2.0, 02 Jul 2021. **5.** Locke KW, et al. *Drug Deliv*. 2019;26(1):98-106. **6.** Sesarman A, et al.

5-Level Visual Analog Scale; ER, event rate; Fc, fragment crystallisable region; FcRn, neonatal Fc receptor; gMG, generalised myasthenia gravis; Ig, immunoglobulin; IV, intravenous; MG, myasthenia gravis; MG-ADL, Myasthenia Gravis Activities of Daily Living; MGFA, Myasthenia Gravis Foundation of America; MG-QoL15r, Myasthenia Gravis Quality of Life 15-Item Questionnaire, Revised; MSE, minimal symptom expression; NR, not reported; NSIST, nonsteroidal immunosuppressive therapy; OLE, open-label extension; PD, pharmacodynamic; PK, pharmacokinetic; PYFU, participant years of follow-up (sum of follow-up time of all participants expressed in years in the applicable period);

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