

Sustained Clinical Efficacy and Long-Term Safety of Intravenous Efgartigimod for Generalized Myasthenia Gravis: Part B of ADAPT NXT



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INTRODUCTION

- Efgartigimod is an IgG1 antibody Fc fragment that has been engineered for increased affinity to FcRn compared to 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 albumin¹⁻³



AChEI, acetylcholinesterase inhibitor; AChR-Ab+, acetylcholine receptor autoantibody-positive; ANCOVA, analysis of covariance; CMI, clinically meaningful improvement; ER, event rate; Fc, fragment crystallizable region;

of Daily Living; MGFA, Myasthenia Gravis Foundation of America; MG-QoL15r, Myasthenia Gravis Quality of Life 15-Item Questionnaire, Revised; mITT, modified intent-to-treat; MSE, minimal symptom expression;

NSIST, nonsteroidal immunosuppressive therapy; PYFU, participant years of follow-up; Q2W, every other week; Q3W, every third week; TEAE, treatment-emergent adverse event.

FcRn, neonatal Fc receptor; gMG, generalized myasthenia gravis; IgG, immunoglobulin G; IV, intravenous; IVIg, intravenous immunoglobulin; LS, least squares; MG, myasthenia gravis; MG-ADL, Myasthenia Gravis Activities

METHODS

Part A Results

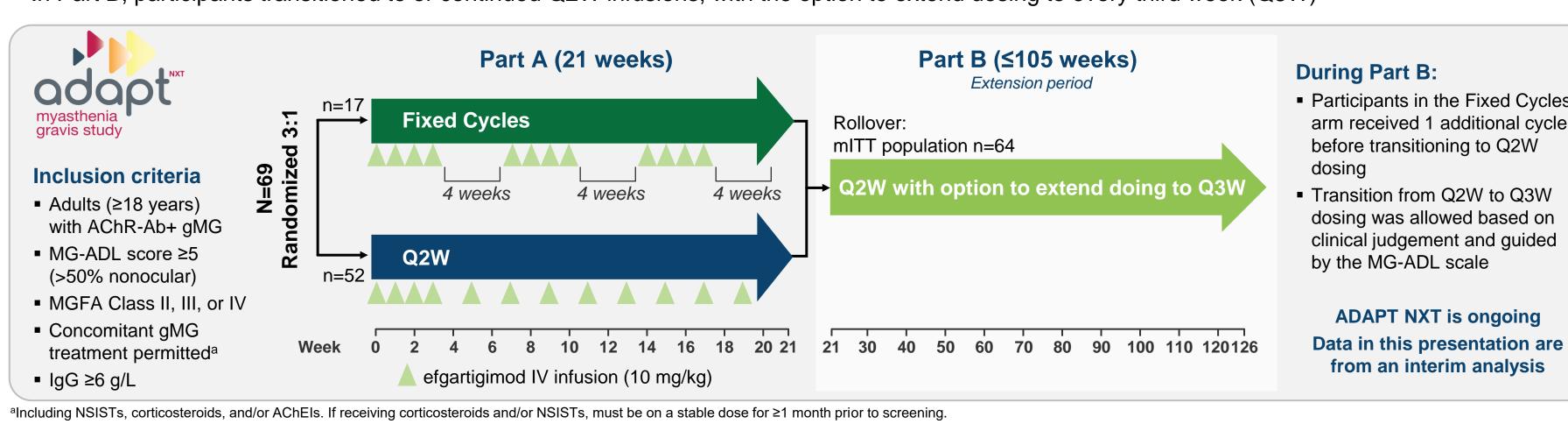
between the dosing arms^a

■ Fixed Cycles: -5.13 (-6.50; -3.77)

-4.61 (-5.38; -3.85)

ADAPT NXT is a Phase 3B, randomized, open-label, parallel-group study designed to evaluate 2 dosing regimens of efgartigimod IV to maximize and maintain clinical benefit in participants with gMG

- In Part A, both study arms initially received 1 cycle of 4 once-weekly infusions. Subsequently, the Fixed Cycles arm received 2 additional cycles of 4 once-weekly infusions (with 4 weeks between cycles), and the Q2W arm received infusions once every other week
- In Part B, participants transitioned to or continued Q2W infusions, with the option to extend dosing to every third week (Q3W)



SUMMARY



Clinical improvements were observed as early as Week 1 in both groups and were sustained through 126 weeks



During Part B, the majority of participants had sustained improvements in MG-ADL total score, with 64.1% achieving improvements of ≥3 points at ≥75% of their analysis visits



56.5% of participants achieved MSE during ADAPT NXT, including 51.6% who achieved MSE during Part B



Efgartigimod was well tolerated across dosing regimens and during the duration of the study period



ADAPT NXT provides data on further options to individualize efgartigimod dosing for the treatment of gMG

Part B Results

RESULTS

Table 1. ADAPT NXT Baseline Demographics and Clinical Characteristics Safety Analysis Set

	Efgartigimod IV (N=69)	
Age, years, mean (SD)	55.9 (16.4)	
Age ≥65 years, n (%)	25 (36.2)	
Sex, female, n (%)	43 (62.3)	
Time since diagnosis, y, mean (SD)	7.0 (7.1)	
MGFA classification at screening, n (%)		
Class II	23 (33.3)	
Class III	44 (63.8)	
Class IV	2 (2.9)	
Total MG-ADL score, mean (SD)	9.4 (3.2)	
Total MG-ADL categorization, n (%)		
5-12	56 (81.2)	
>12	13 (18.8)	
Total MG-QoL15r score, mean (SD)	16.9 (6.1)	
Baseline MG therapy, n (%)		
Any steroid	40 (58.0)	
Any NSIST	27 (39.1)	
Any AChEI	61 (88.4)	
AChEI only	17 (24.6)	

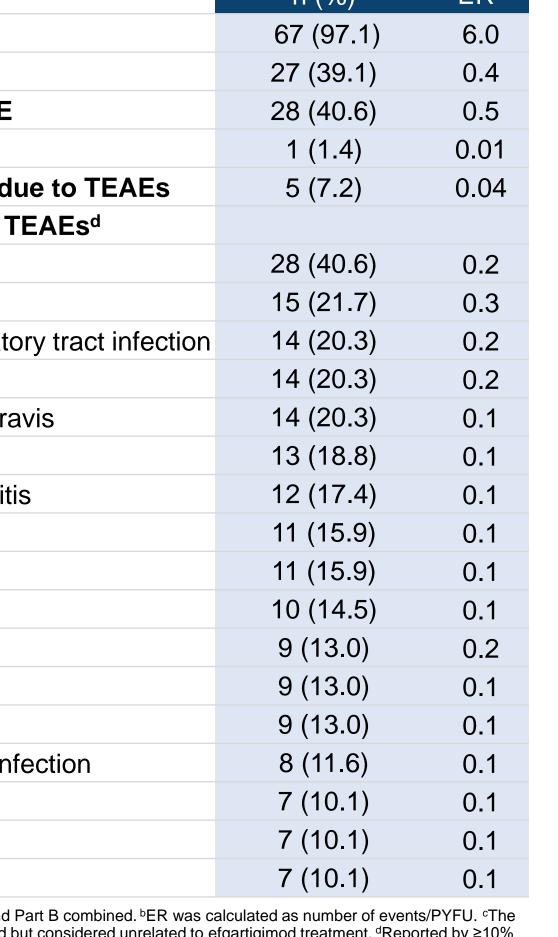
Table 2. Summary of TEAEsa Safety Analysis Set

	(N=69, PYFU 134.7)	
	n (%)	ERb
TEAE	67 (97.1)	6.0
Serious TEAE	27 (39.1)	0.4
Grade ≥3 TEAE	28 (40.6)	0.5
Fatal TEAE ^c	1 (1.4)	0.01
Discontinued due to TEAEs	5 (7.2)	0.04
Most frequent TEAEsd		
COVID-19 ^e	28 (40.6)	0.2
Headache	15 (21.7)	0.3
Upper respiratory tract infection	14 (20.3)	0.2
Bronchitis	14 (20.3)	0.2
Myasthenia gravis	14 (20.3)	0.1
Arthralgia	13 (18.8)	0.1
Nasopharyngitis	12 (17.4)	0.1
Back pain	11 (15.9)	0.1
Influenza	11 (15.9)	0.1
Diarrhea	10 (14.5)	0.1
Nausea	9 (13.0)	0.2
Cough	9 (13.0)	0.1
Pyrexia	9 (13.0)	0.1
Urinary tract infection	8 (11.6)	0.1
Fatigue	7 (10.1)	0.1
Myalgia	7 (10.1)	0.1
Dyspnea	7 (10.1)	0.1
^a TEAE data from Part A and Part B combined. ^b ER was calculated as number of events/PYFU. ^c The		

of total participants. High frequency of COVID-19 TEAEs are attributable to the study occurring during the COVID-19 pandemic

Efgartigimod IV

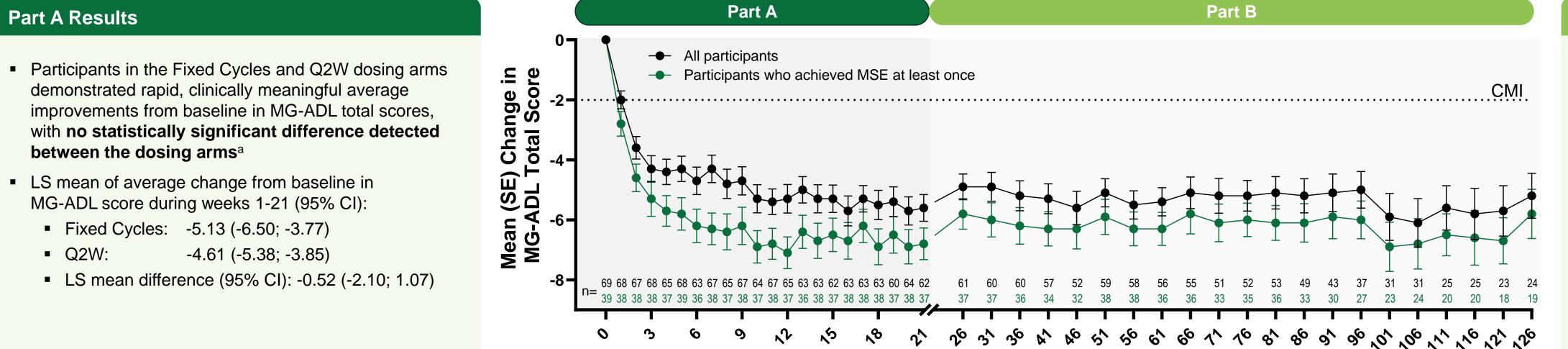
-60 DVEII 124 7)



fatal TEAE was unexpected but considered unrelated to efgartigimod treatment. dReported by ≥10%

Figure 1. Mean Change in MG-ADL Total Score From Baseline (Week 1-126)

ADAPT NXT trial was funded by argenx. Medical writing and editorial support for this presentation were provided by Precision AQ and funded by argenx.

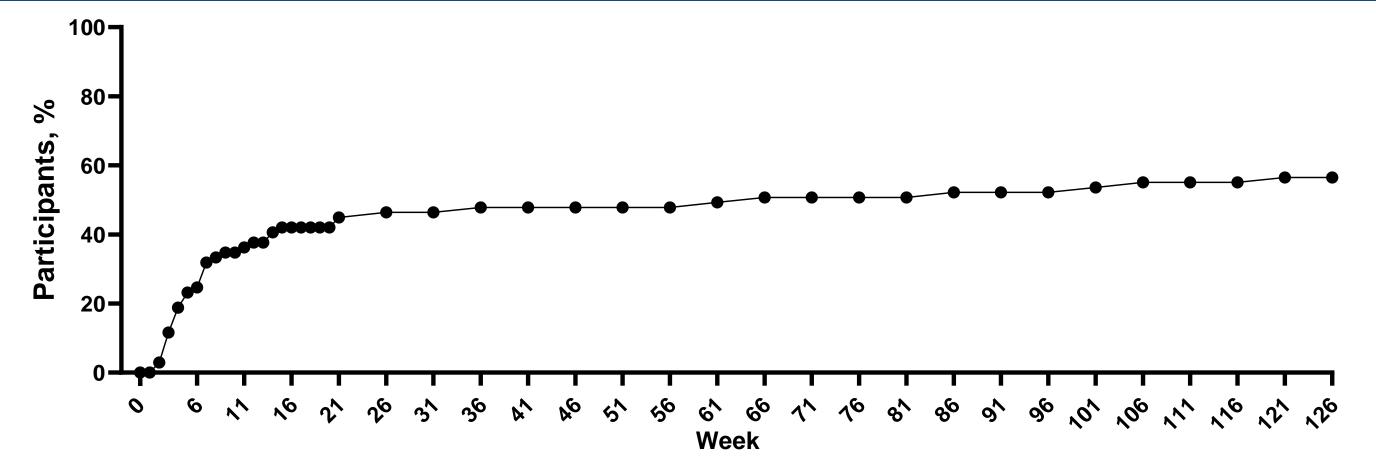


^aThe ANCOVA model used for statistical analysis included treatment arm as a factor and baseline MG-ADL total score as a covariate to account for any differences in baseline MG-ADL scores. ^bRestricted to oral steroids indicated for treatment of MG. ^cDosing of different steroids was standardized to prednisone equivalent mg doses for analysis

Participants who maintained clinical improvement had the option to transition from Q2W to Q3W dosing, based on clinical judgement and guided by the MG-ADL scale

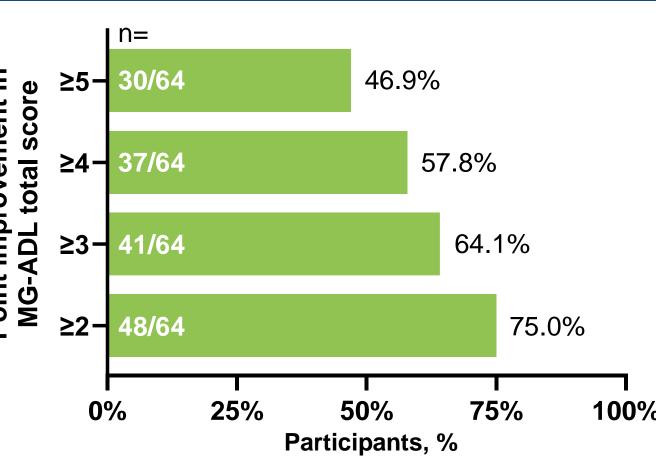
- 57.8% (37/64) transitioned to Q3W dosing, 59.5% (22/37) of these participants remained on Q3W dosing
- Average treatment duration on Q3W was 382 days (at week 126)
- 57.8% (37/64) of participants were taking steroids^b at baseline
- 32.4% (12/37) decreased steroid dose (including
- 52.9% [9/17] of those with baseline dose >20mg/d^c) ■ 13.5% (5/37) increased steroid dose (all had final
- dose ≤20 mg/d^c)
- 11.1% (3/27) of participants not taking steroids at baseline initiated steroids

Figure 2. Cumulative Percentage of Participants Achieving MSE (MG-ADL 0-1) at Any Time in ADAPT NXTa



- 56.5% (39/69) of participants achieved MSE at any point during the study
- 51.6% (32/62)^b achieved MSE during Part B Denominator is participants in the mITT analysis population during Part A (n=69). ^b2 participants were excluded because they received IVIg during Part A.

Figure 3. Participants Achieving CMI (or Better) in MG-ADL Scores at ≥75% of Visits During Part B



1. Ulrichts P, et al. J Clin Invest. 2018;128(10):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 JT, et al. Autoimmunity. 2022;55(8):620-631. 4. Sesarman A, et al. Cell Mol Life Sci.

ACKNOWLEDGMENTS AND DISCLOSURES: The authors gratefully acknowledge the ADAPT NXT trial participants and investigators KG: Alexion, argenx, and UCB. VB: AZ-Alexion, Grifols, CSL, UCB, argenx, Takeda, Octapharma, Akcea, Momenta (J&J), Immunovant, Regeneron, Cabaletta Bio, Horizon/Amgen, Genentech/Roche, Alpine Immune Sciences, Inhibrx, NMD, Grifols, and Arcellx. KGC: Alnylam, Amicus, argenx, Biogen, CSL Behring, Ipsen, Janssen, Lupin, Pfizer, Roche, Sanofi-Genzyme, and UCB. YH: no disclosures. GS: Alexion, argenx, UCB, Alexion, and Janssen. EB, JG, DG, AS, RHJ, and DM: argenx. RM: Alexion, argenx. RM: Alexion, argenx. UCB, Immunovant, and Biogen. EC-V: argenx, UCB, Alexion, argenx. Biogen. EC-V: argenx. Biogen. Biogen. EC-V: argenx. Biogen. Biogen. EC-V: argenx. Biogen. Bio argenx, Ra, BioMarin, Catalyst, UCB, Teva, Merck, Roche, and Biogen. AM: Alexion, argenx, Grifols, SA, Hormosan Pharma, UCB, Janssen, Merck, Octapharma, and the German Myasthenia Gravis Society. FS: no disclosures. SA: Alexion, argenx, Sanofi, LFB, UCB, Janssen, Pfizer, and Biogen. The