

# Fixed Cycle and Every-Other-Week Dosing of Intravenous Efgartigimod for Generalized Myasthenia Gravis: Part A of ADAPT NXT

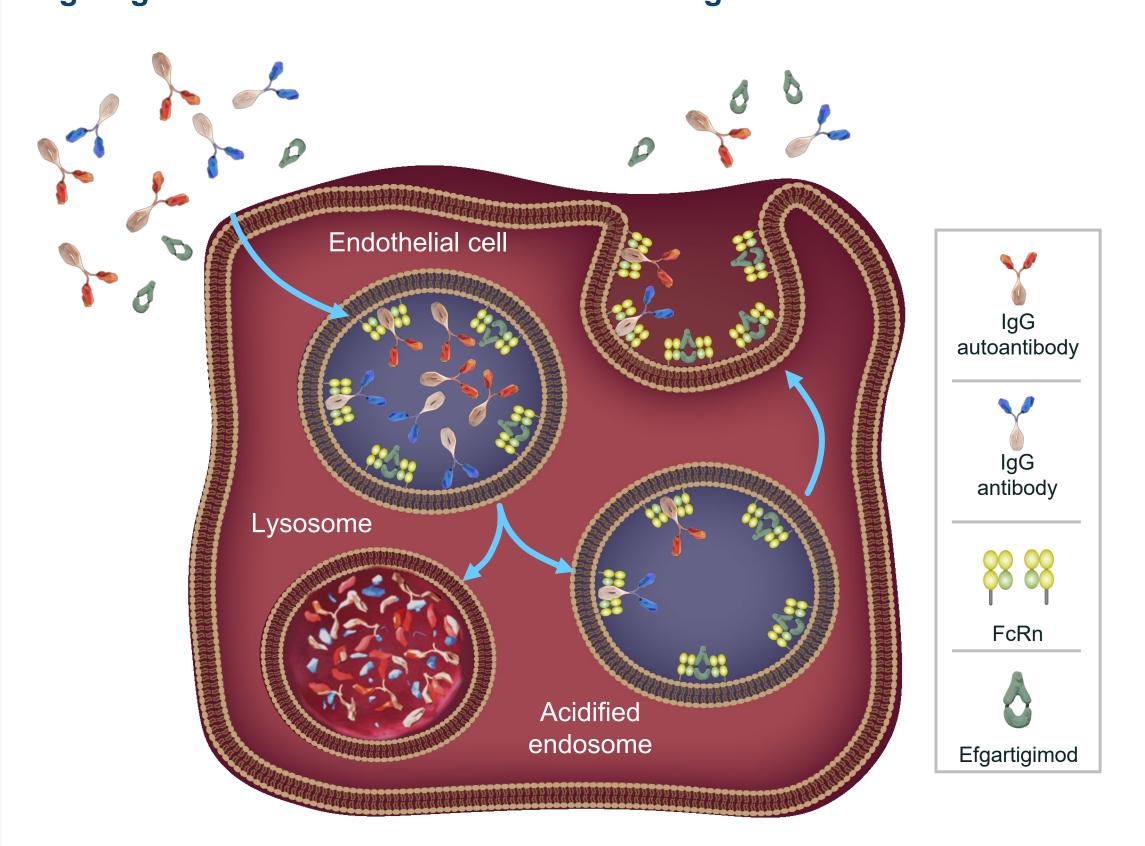


Kelly Gwathmey,<sup>1</sup> Ali A. Habib,<sup>2</sup> Kristl G. Claeys,<sup>3,4</sup> Vera Bril,<sup>5,6</sup> Yessar Hussain,<sup>7</sup> Gregory Sahagian,<sup>8</sup> Elena Cortés-Vicente,<sup>9,10</sup> Edward Brauer,<sup>11</sup> Deborah Gelinas,<sup>11</sup> Anne Sumbul,<sup>11</sup> Rosa H. Jimenez,<sup>11</sup> Daniela Hristova,<sup>11</sup> Delphine Masschaele,<sup>11</sup> Rosa H. Jimenez,<sup>11</sup> Daniela Hristova,<sup>11</sup> Delphine Masschaele,<sup>11</sup> Shahram Attarian<sup>14</sup> and the ADAPT NXT Study Group

<sup>1</sup>Department of Neurology, Virginia Commonwealth University, Richmond, Virginia, USA; <sup>2</sup>Department of Neurology, University of California, Irvine, Irvine, Irvine, California, USA; <sup>3</sup>Department of Neurology, University of California, USA; <sup>3</sup>Department of Neurology, USA; <sup>3</sup> Neurology, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain; <sup>10</sup>Biomedical Research Institute Sant Pau, Berlin, Berlin,

# INTRODUCTION

#### Efgartigimod Mechanism of Action: Blocking FcRn



- FcRn recycles IgG antibodies and albumin. This recycling and salvage from lysosomal degradation results in IgG antibodies having the longest half-life and being the most abundant of all immunoglobulins<sup>1-3</sup>
- Blocking FcRn to selectively reduce IgG levels is therefore a rational therapeutic approach in patients with IgG-mediated autoimmune diseases<sup>1,2</sup>
- Efgartigimod is an IgG1 antibody Fc fragment that has been engineered for increased affinity to FcRn, and is uniquely composed of the only part of the IgG antibody that normally binds FcRn<sup>1</sup>
- Efgartigimod selectively reduces IgG by blocking FcRn-mediated IgG recycling without impacting antibody production, albumin levels, or other parts of the immune system<sup>1,4,5</sup>
- Efgartigimod prevents IgG recycling by blocking IgG antibodies from binding to FcRn, with unbound IgG antibodies being degraded<sup>1,4</sup>

#### **SUMMARY**

Both Fixed Cycles and Q2W dosing resulted in similar clinically meaningful improvements in MG-ADL scores that were maintained through 21 weeks



MSE was achieved in 47.1% and 44.2% of patients receiving Fixed Cycles and Q2W dosing, respectively

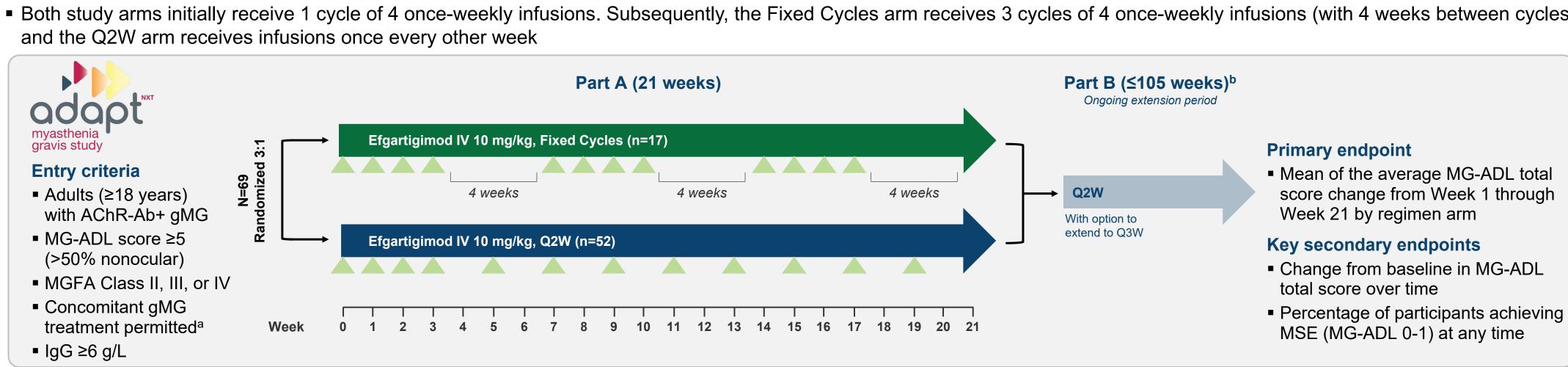
Efgartigimod was well tolerated across both dosing regimens

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

#### **METHODS**

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

■ Both study arms initially receive 1 cycle of 4 once-weekly infusions. Subsequently, the Fixed Cycles arm receives 3 cycles of 4 once-weekly infusions (with 4 weeks between cycles),



alncluding NSISTs, corticosteroids, and/or AChEls. If receiving corticosteroids and/or NSISTs, must be on a stable dose for ≥1 month prior to screening. bAll participants entering Part B will be transitioned to Q2W with the option to extend to Q3W dosing; patients in Fixed Cycle arm will receive another cycle before transitioning to Q2W dosing.

## **RESULTS**

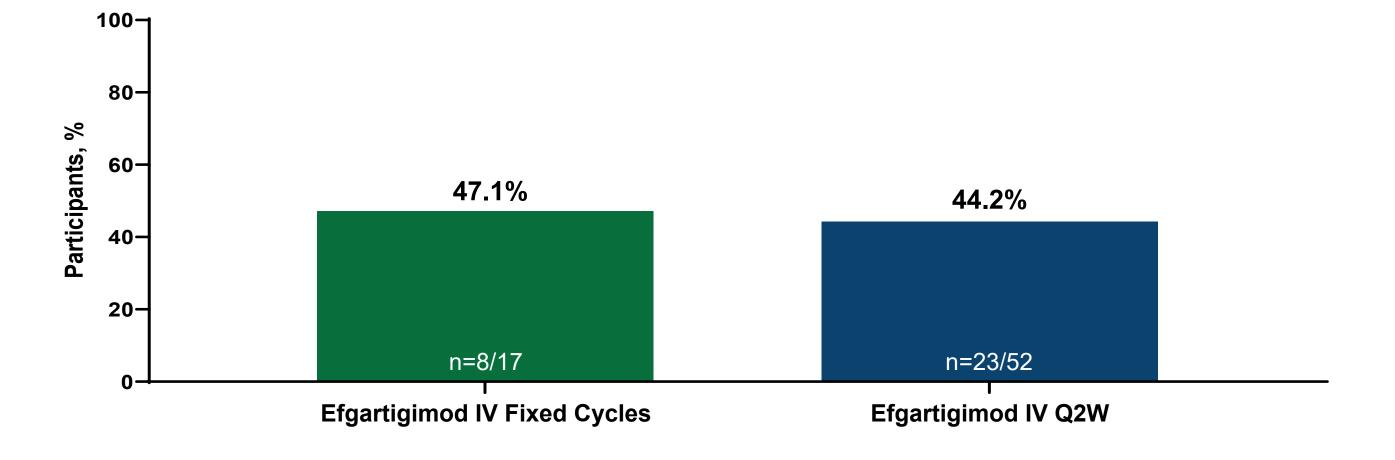
## Table 1. ADAPT NXT Baseline Demographics and Clinical Characteristics Safety Analysis Set

	Efgartigimod IV Fixed Cycles (n=17)	Efgartigimod IV Q2W (n=52)
Age, years, mean (SD)	52.4 (16.1)	57.1 (16.5)
<b>Age ≥65 years,</b> n (%)	5 (29.4)	20 (38.5)
Sex, female, n (%)	9 (52.9)	34 (65.4)
Time since diagnosis, y, mean (SD)	7.4 (6.6)	6.9 (7.3)
MGFA classification at screening, n (%)		
Class II	6 (35.3)	17 (32.7)
Class III	11 (64.7)	33 (63.5)
Class IV	0	2 (3.8)
Total MG-ADL score, mean (SD)	8.1 (2.2)	9.8 (3.3)
Total MG-ADL categorization, n (%)		
5-12	17 (100.0)	39 (75.0)
>12	0	13 (25.0)
Total MG-QoL15r score, mean (SD)	14.3 (5.6)	17.7 (6.1)
Baseline MG therapy, n (%)		
Any steroid	10 (58.8)	30 (57.7)
Any NSIST	8 (47.1)	19 (36.5)
Any AChEI	12 (70.6)	49 (94.2)
AChEI only	0 (0)	17 (32.7)

# **Table 3. Summary of TEAEs** Safety Analysis Set

	F	Efgartigimod IV Fixed Cycles (n=17, PYFU=6.9)		Efgartigimod IV Q2W (n=52, PYFU=20.9)			Efgartigimod IV Total population (N=69, PYFU=27.8)		
	n	%	ERb	n	%	ERb	n	%	$ER^{b}$
TEAE	16	94.1	12.0	43	82.7	10.1	59	85.5	10.6
Serious TEAE	1	5.9	0.4	7	13.5	0.3	8	11.6	0.4
Grade ≥3 TEAE	3	17.6	1.3	7	13.5	0.4	10	14.5	0.6
Fatal TEAE	0	-	-	0	-	-	0	_	-
Discontinued due to TEAEs	0	-	-	1	1.9	<0.1	1	1.4	<0.1
Most frequent TEAEsa									
COVID-19	2	11.8	0.3	11	21.2	0.5	13	18.8	0.5
Headache	5	29.4	1.2	8	15.4	0.6	13	18.8	0.8
Upper respiratory tract infection	2	11.8	0.4	5	9.6	0.4	7	10.1	0.4

## Figure 3. Percentage of Participants Achieving MSE (MG-ADL 0-1; Week 1-21)

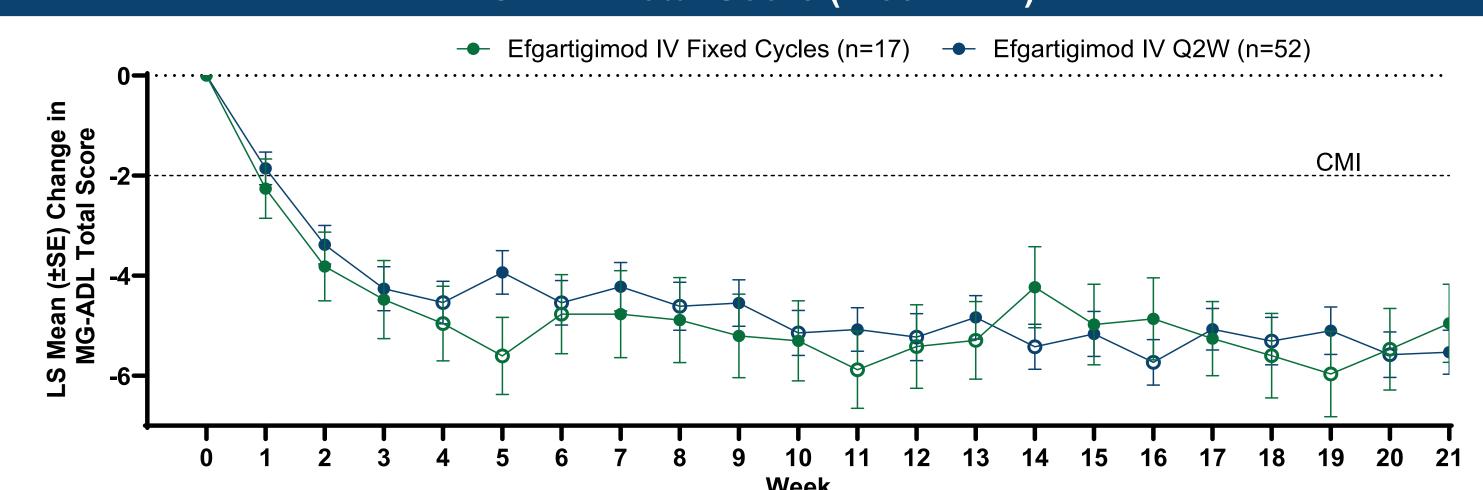


## Table 2. ANCOVA<sup>a</sup> Analysis of Primary Endpoint: Mean of the Average MG-ADL Total Score Change From Baseline During Weeks 1-21

	Efgartigimod IV Fixed Cycles			Efgartigimod IV Q2W	Efgartigimod IV Fixed Cycles vs Q2W	
	n	LS mean (95% CI)	n	LS mean (95% CI)	LS estimate (95% CI)	
mITT analysis set	17	-5.13 (-6.499; -3.767)	52	-4.61 (-5.383; -3.845)	-0.52 (-2.104; 1.067)	

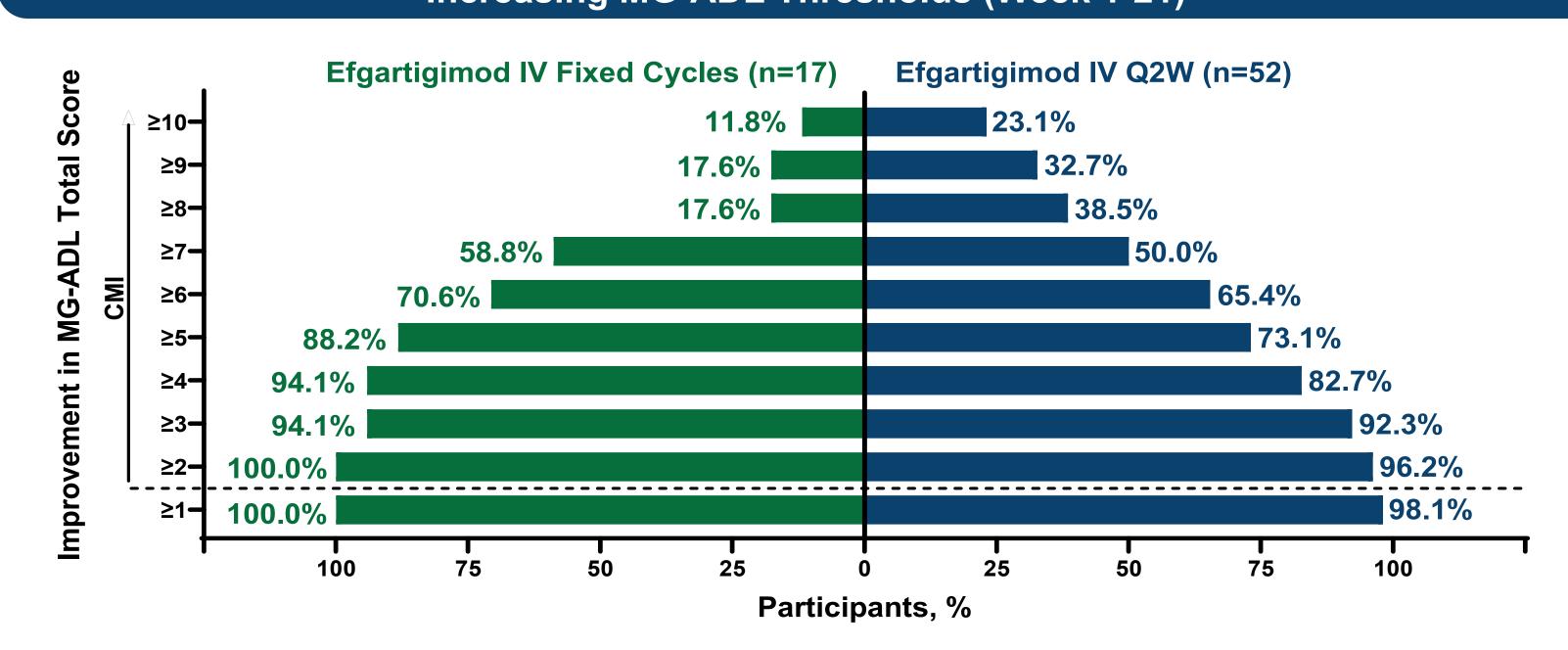
<sup>a</sup>The ANCOVA model includes the treatment arm as a factor and the baseline MG-ADL total score as a covariate.

## Figure 1. LS Mean Changes From Baseline in MG-ADL Total Score (Week 1-21)a,b



<sup>a</sup>Solid data points indicate weeks in which efgartigimod was administered and open data points indicate weeks in which efgartigimod was not administered in each respective dosing regimen. bMixed model for repeated measurements with treatment, visit and treatment by visit interaction as fixed effects, and baseline total MG-ADL score as covariate

# Figure 2. Proportion of Participants With Increasing MG-ADL Thresholds (Week 1-21)



# Table 4. Percentage of Participants Achieving MSE (MG-ADL 0-1) by Study Intervala

Interval		artigimod IV xed Cycles	Efgartigimod IV Q2W		
	n	MSE, n (%)	n	MSE, n (%)	
Week 1 – Week 7	17	8 (47.1)	52	14 (26.9)	
Week 8 – Week 14	16	7 (43.8)	52	18 (34.6)	
Week 15 – Week 21	16	5 (31.3)	49	19 (38.8)	
Week 8 – Week 21	16	7 (43.8)	52	22 (42.3)	
Week 1 – Week 21	17	8 (47.1)	52	23 (44.2)	

<sup>a</sup>A participant is reported as achieving MSE if an MG-ADL score of 0 or 1 was observed at least once during the interval

AChEI, acetylcholinesterase inhibitor; AChR-Ab+, acetylcholine receptor autoantibody positive; ANCOVA, analysis of covariance; CMI, clinically meaningful improvement; ER, event rate; Fc, fragment crystallizable region; FcRn, neonatal Fc receptor; gMG, generalized myasthenia gravis; Ig, immunoglobulin; IV, intravenous; LS, least squares; 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; 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.

1. Ulrichts P, et al. J Clin Invest. 2018;128:4372-4386. 2. Ward ES, Ober RJ. Trends Pharmacol Sci. 2018;39:892-904. 3. Vidarsson G, et al. Front Immunol. 2014;5:520. 4. Howard JF Jr, et al. Lancet Neurol. 2021;20:526-536. 5. Guptill JT, et al. Autoimmunity. 2022;55:620-631. ACKNOWLEDGMENTS AND DISCLOSURES: The authors gratefully acknowledge the ADAPT NXT trial participants and investigators.

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