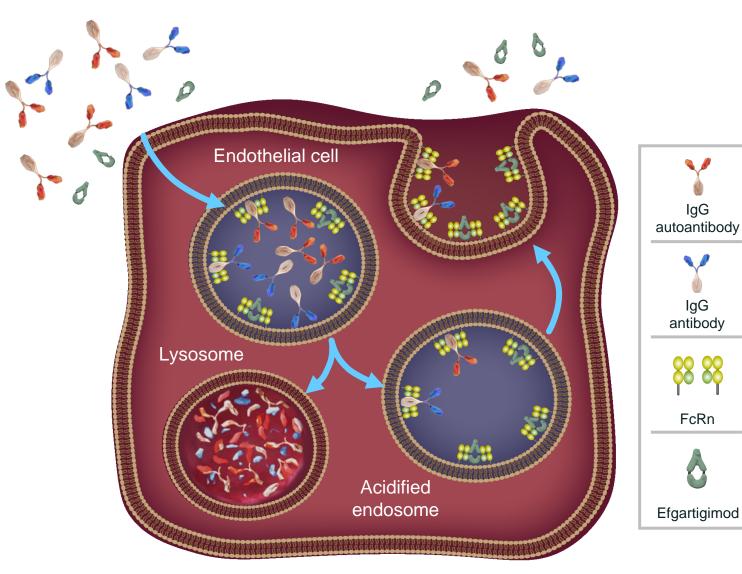


EPO-612

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## INTRODUCTION

# Efgartigimod Mechanism of Action: Blocking FcRn



- FcRn recycles IgG to extend its half-life and maintain its high serum concentration<sup>1</sup>
  - FcRn is additionally involved in other cellular processes such as albumin recycling, as well as IgG-dependent phagocytosis and antigen presentation<sup>2</sup>
- Efgartigimod is a human IgG1 Fc fragment, a natural ligand of FcRn, engineered to have increased affinity for FcRn and outcompete endogenous IgG<sup>3,4</sup>
- Efgartigimod binding to FcRn prevents IgG recycling and promotes its lysosomal degradation, reducing IgG levels without impacting IgG production<sup>3-6</sup>
- Targeted reduction of all IgG subtypes $^{3,5}$
- No impact on levels of IgM, IgA, IgE, or  $IgD^{3,6}$
- No reduction in albumin or increase in cholesterol levels<sup>5-8</sup>

# RESULTS

Table 1. ADAPT NXT Baseline Demo    Safety A	ographics and Clinical nalysis Set	Characteristics	Table 2. ANC		Analysis Score Cl								G-ADL T	otal
	Efgartigimod IV Fixed Cycles (n=17)	Efgartigimod IV Q2W (n=52)		Efgartigimod IV Fixed Cycles LS mean						Efgartigimod IV Fixed Cycles vs Q2W				
Age, years, mean (SD)	52.4 (16.1)	57.1 (16.5)				S mear	nean		LS mean			LS estimate		
<b>Age ≥65 years,</b> n (%)	5 (29.4)	20 (38.5)		n	(9	5% CI)	)	Π	(9	5% CI)		(9	95% CI)	
Sex, female, n (%)	9 (52.9)	34 (65.4)	mITT analysis	17	-5.13 (-6.499; -3.	-5.13		52	-4.61				-0.52	
Time since diagnosis, y, mean (SD)	7.4 (6.6)	6.9 (7.3)	set							33; -3.84	45)	(-2.104; 1.0		67)
MGFA classification at screening, n (%)														
Class II	6 (35.3)	17 (32.7)	<sup>a</sup> The ANCOVA model includes the treatment arm as a factor and the baseline MG-ADL total score as a covariate.											
Class III	11 (64.7)	33 (63.5)	Table 3. Summary of TEAEs    Safety Analysis Set											
Class IV	0	2 (3.8)												
Total MG-ADL score, mean (SD)	8.1 (2.2)	9.8 (3.3)	Efgartigimod IV Efgartigimod IV Efgartigimod IV											
Total MG-ADL categorisation, n (%)						Fixed Cycles (n=17, PYFU=6.9)			Q2W (n=52, PYFU=20.9)			Total population (n=69, PYFU=27.8)		
5-12	17 (100.0)	39 (75.0)				n	%	ER <sup>b</sup>	n	%	ER <sup>b</sup>	n	%	$ER^{b}$
>12	0	13 (25.0)	TEAE			16	94.1	12.0	43	82.7	10.1	59	85.5	10.6
Total MG-Qol15r score, mean (SD)	14.3 (5.6)	17.7 (6.1)	Serious TEAE			1	5.9	0.4	7	13.5	0.3	8	11.6	0.4
Baseline MG therapy, n (%)			Grade ≥3 TEAE Fatal TEAE			3 0	17.6 -	1.3 -	7 0	13.5 -	0.4	10 0	14.5 -	0.6
Any steroid	10 (58.8)	30 (57.7)	Discontinued due to TEAEs		AEs	0	-	-	1	1.9	<0.1	1	1.4	<0.1
Any NSIST	8 (47.1)	19 (36.5)	Most frequent TE	AEs <sup>a</sup>										
Any AChEI	12 (70.6)	49 (94.2)	COVID-19			2	11.8	0.3	11	21.2	0.5	13	18.8	0.5
AChEI only	0 (0)	17 (32.7)	Headache Upper respiratory	faction	5 2	29.4 11.8	1.2 0.4	8 5	15.4 9.6	0.6 0.4	13	18.8 10.1	0.8 0.4	

<sup>a</sup>Reported by ≥10% of total participants. <sup>b</sup>ER was calculated as number of events/PYFU.

ABBREVIATIONS

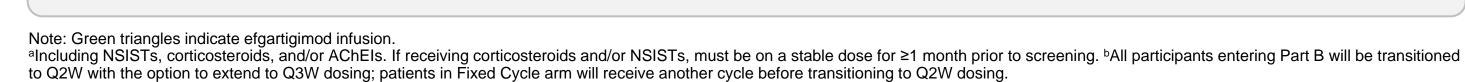
AChEI, acetylcholinesterase inhibitor; AChR-Ab, acetylcholine receptor autoantibody; AChR-Ab+, acetylcholine receptor autoantibody positive; ANCOVA, analysis of covariance; BL, baseline; CMI, clinically meaningful improvement; ER, event rate; Fc, fragment crystallisable region; FcRn, neonatal Fc receptor; gMG, generalised 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 intentto-treat; MSE, minimal symptom expression; NSIST, nonsteroidal immunosuppressive therapy; PYFU, participant years of follow-up; Q2W, every other week; TEAE, treatment-emergent adverse event.

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

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### ADAPT NXT is a phase 3B, randomised, open-label, parallel-group study designed to evaluate 2 dosing regimens of efgartigimod IV to maximise 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), and the Q2W arm receives infusions once every other week Part A (21 weeks) Part B (≤105 weeks)<sup>b</sup> Ongoing extension period **Primary endpoint** adapt Mean of the average myasthenia gravis study Efgartigimod IV 10 mg/kg, Fixed Cycles (n=17) MG-ADL total score change from Week 1 through Week 21 by **Entry criteria** regimen arm $\rightarrow$ Q2W 4 weeks ■ Adults (≥18 years) with AChR-Ab+ gMG Key secondary endpoints With option to extend to Q3W ■ MG-ADL score ≥5 Efgartigimod IV 10 mg/kg, Q2W (n=52) Change from baseline in MG-ADL total score over (>50% nonocular)

### **METHODS**



Week

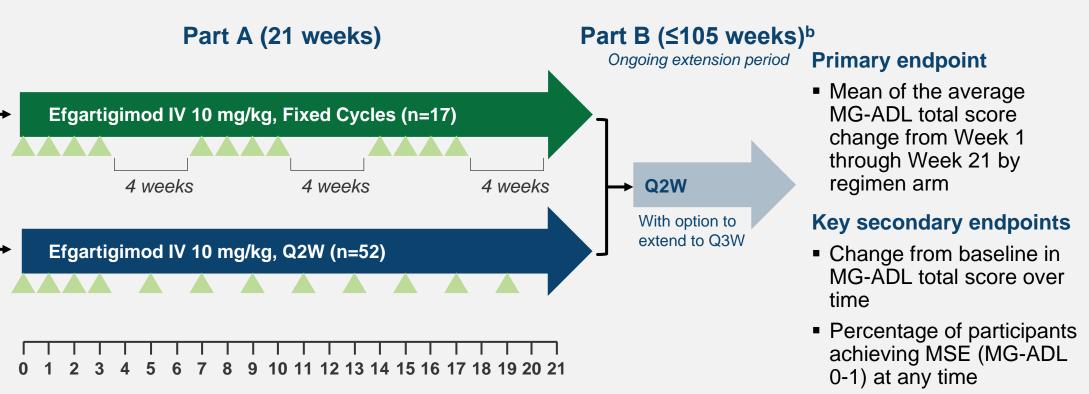
MGFA Class II, III, or IV

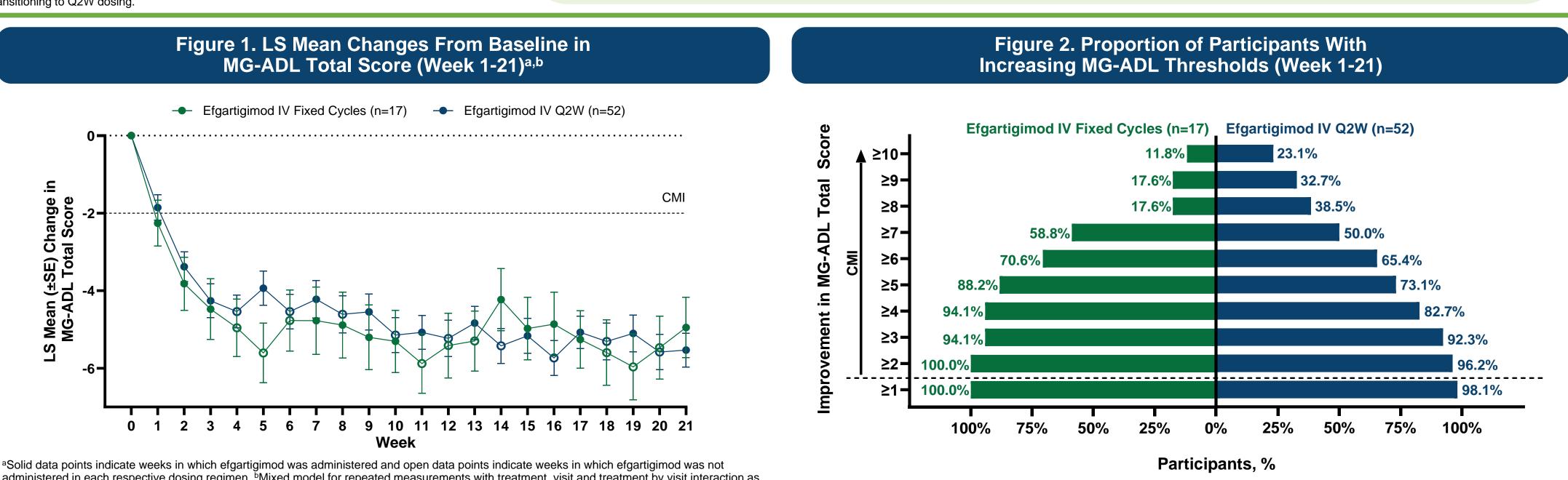
Concomitant gMG

IgG ≥6 g/L

treatment required<sup>a</sup>

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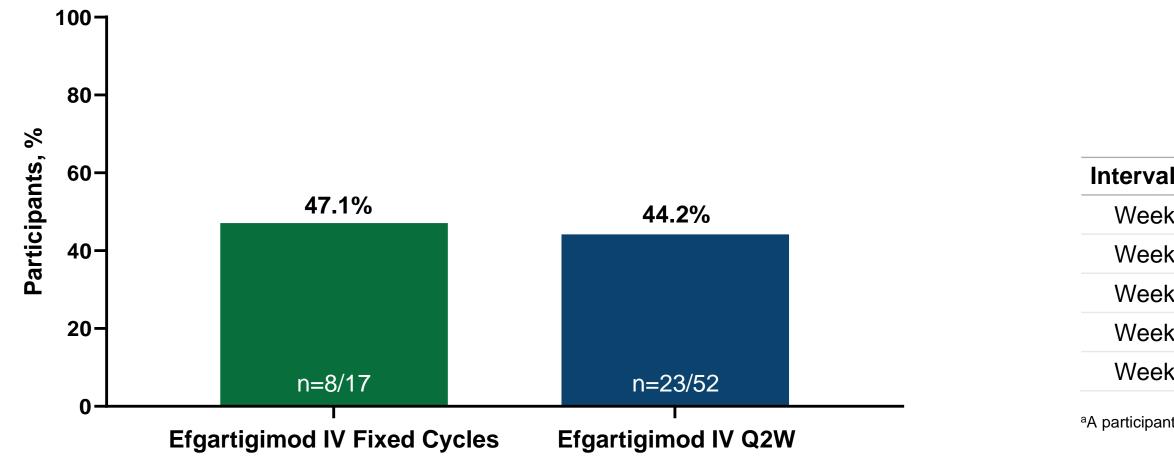


CONCLUSION

**1** 

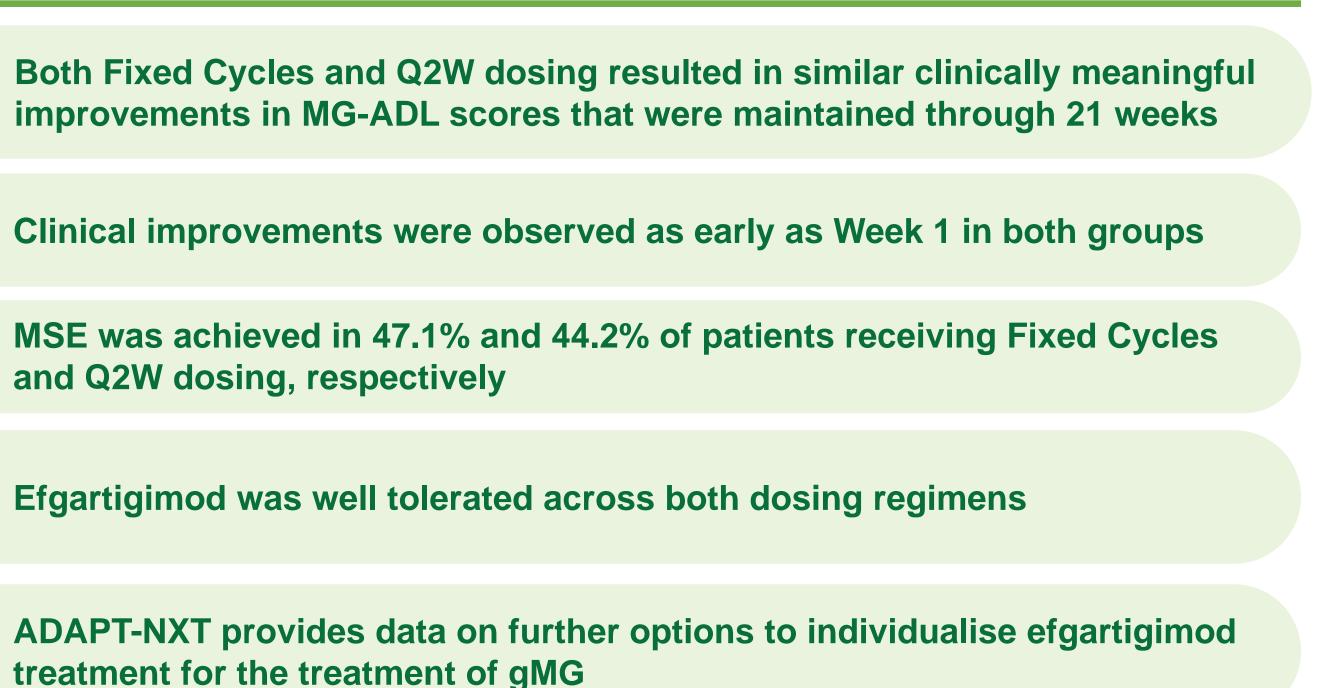
administered in each respective dosing regimen. <sup>b</sup>Mixed model for repeated measurements with treatment, visit and treatment by visit interaction as fixed effects, and baseline total MG-ADL score as covariate.

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









### Table 4. Percentage of Participants Achieving MSE (MG-ADL 0-1) by Study Interval<sup>a</sup>

		Efgartigimod IV Q2W					
n	MSE, n (%)	n	MSE, n (%)				
17	8 (47.1)	52	14 (26.9)				
16	7 (43.8)	52	18 (34.6)				
16	5 (31.3)	49	19 (38.8)				
16	7 (43.8)	52	22 (42.3)				
17	8 (47.1)	52	23 (44.2)				
	Fix n 17 16 16 16	178 (47.1)167 (43.8)165 (31.3)167 (43.8)	Fixed CyclesnMSE, n (%)n178 (47.1)52167 (43.8)52165 (31.3)49167 (43.8)52				

<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.

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