# Response to rozanolixizumab across treatment cycles in patients with generalized myasthenia gravis: A post hoc analysis

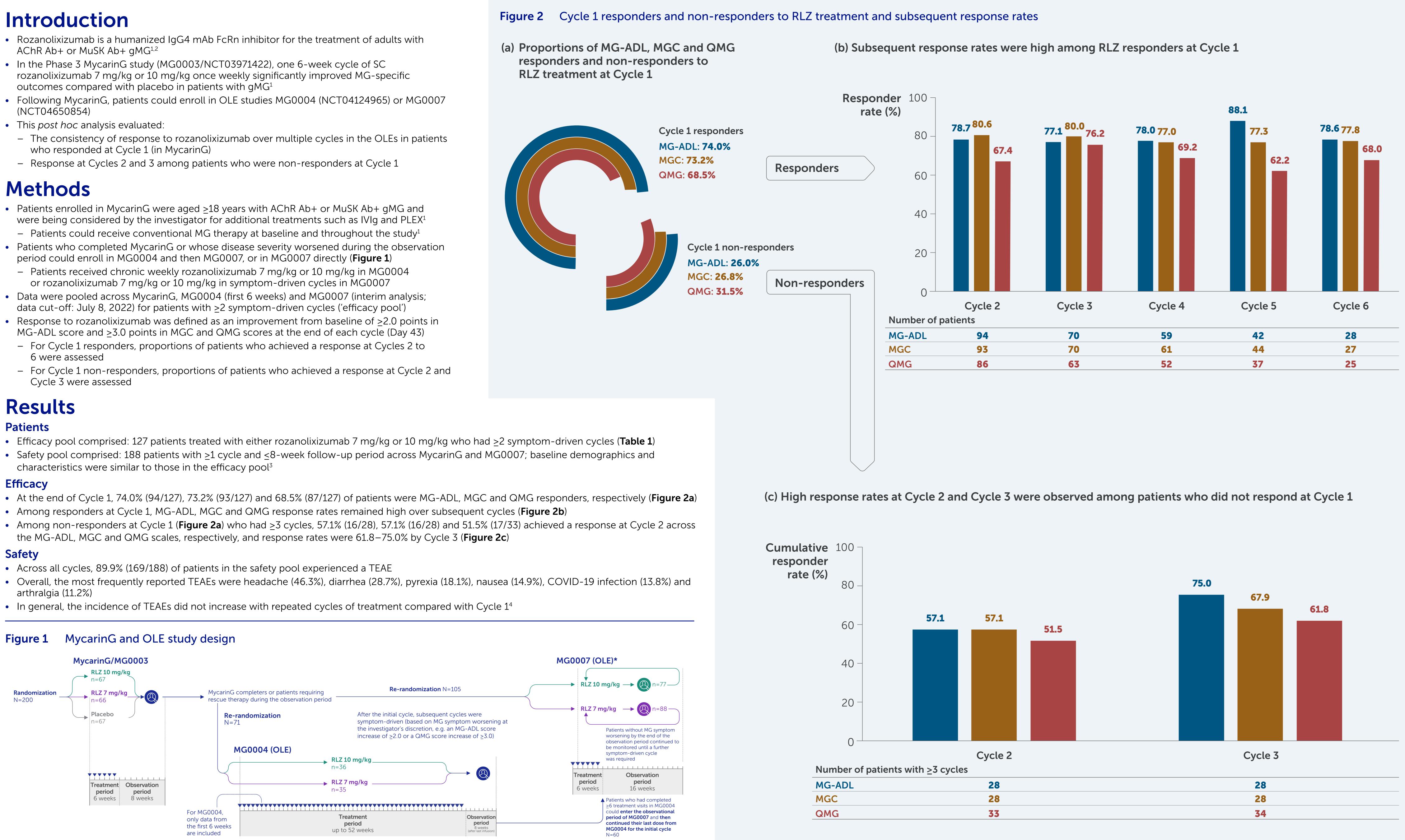
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- AChR Ab+ or MuSK Ab+ gMG<sup>1,2</sup>
- In the Phase 3 MycarinG study (MG0003/NCT03971422), one 6-week cycle of SC
- (NCT04650854)
- This post hoc analysis evaluated:
- who responded at Cycle 1 (in MycarinG)

- Patients enrolled in MycarinG were aged  $\geq$ 18 years with AChR Ab+ or MuSK Ab+ gMG and were being considered by the investigator for additional treatments such as IVIg and PLEX<sup>1</sup> – Patients could receive conventional MG therapy at baseline and throughout the study<sup>1</sup>
- period could enroll in MG0004 and then MG0007, or in MG0007 directly (Figure 1) - Patients received chronic weekly rozanolixizumab 7 mg/kg or 10 mg/kg in MG0004
- data cut-off: July 8, 2022) for patients with  $\geq 2$  symptom-driven cycles ('efficacy pool')
- Cycle 3 were assessed

### Safety

## **Figure 1** MycarinG and OLE study design

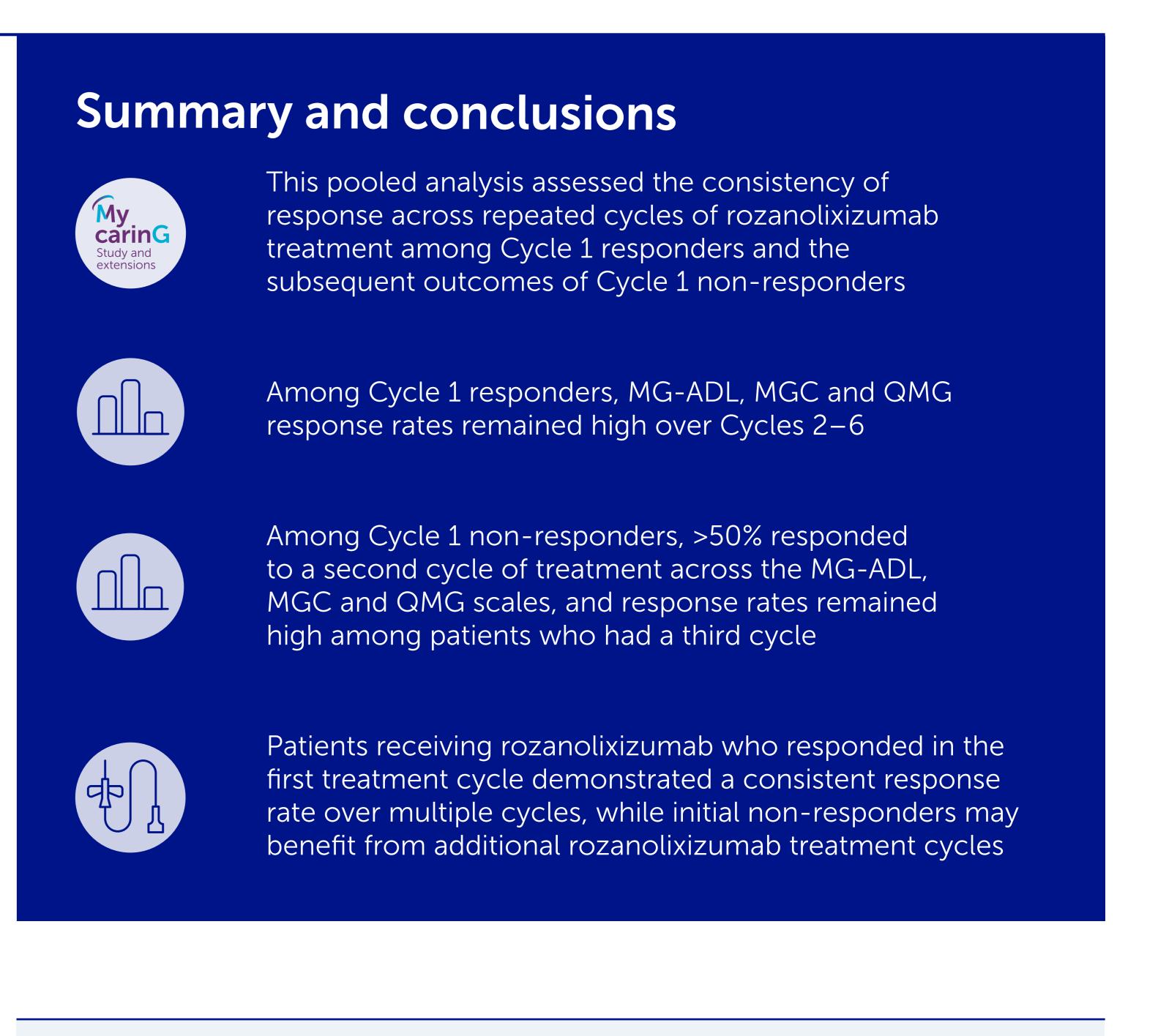


\*After the initial cycle, dose modifications from 10 mg/kg to 7 mg/kg and vice versa were permitted at the beginning of each treatment cycle provided the benefit-risk ratio remained favorable for the patient

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### Baseline demographic and patient characteristics (efficacy pool) Table 1

	RLZ total N=127
Age, years, mean (SD)*	<b>50.6</b> (16.2)
Sex, female, n (%)	<b>76</b> (59.8)
Thymectomy at baseline, yes, n (%) <sup>†</sup>	<b>55</b> (43.3)
AChR Ab+, n (%) <sup>†,‡</sup>	<b>115</b> (90.6)
MuSK Ab+, n (%) <sup>†,‡</sup>	<b>12</b> (9.4)
MG-ADL score at baseline, mean (SD)	<b>8.8</b> (3.4)
QMG score at baseline, mean (SD)	<b>16.0</b> (3.8)
Duration of disease, years, mean (SD)	<b>8.2</b> (8.6)

Abbreviations: Ab+, autoantibody positive; AChR, acetylcholine receptor; COVID-19, coronavirus disease 2019; FcRn, neonatal Fc receptor; gMG, generalized myasthenia gravis; IgG, immunoglobulin G;

IVIg, intravenous immunoglobulin; mAb, monoclonal antibody; MG, myasthenia gravis; MG-ADL, Myasthenia Gravis Activities of Daily Living; MGC, Myasthenia Gravis Composite; MuSK, muscle-specific tyrosine

kinase; OLE, open-label extension; PLEX, plasma exchange; QMG, Quantitative Myasthenia Gravis; RLZ, rozanolixizumab; SC, subcutaneous; SD, standard deviation; TEAE, treatment-emergent adverse event.

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<sup>t</sup>Captured from historical data case report forn <sup>†</sup>One patient was both anti-AChR Ab+ and anti-MuSK Ab+.

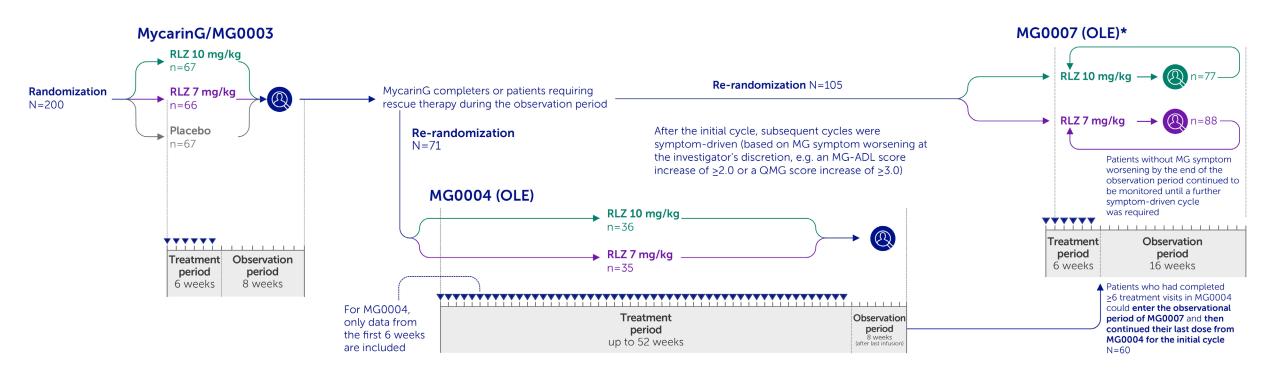
and Johnson), Octapharma, Takeda, UCB Pharma and Viela Bio (now Horizon Therapeutics)



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### Figure 1 MycarinG and OLE study design



\*After the initial cycle, dose modifications from 10 mg/kg to 7 mg/kg and *vice versa* were permitted at the beginning of each treatment cycle provided the benefit—risk ratio remained favorable for the patient. MG, myasthenia gravis; MG-ADL, Myasthenia Gravis Activities of Daily Living; OLE, open-label extension; QMG, Quantitative Myasthenia Gravis; RLZ, rozanolixizumab.

### **Table 1**Baseline demographic and patient characteristics (efficacy pool)

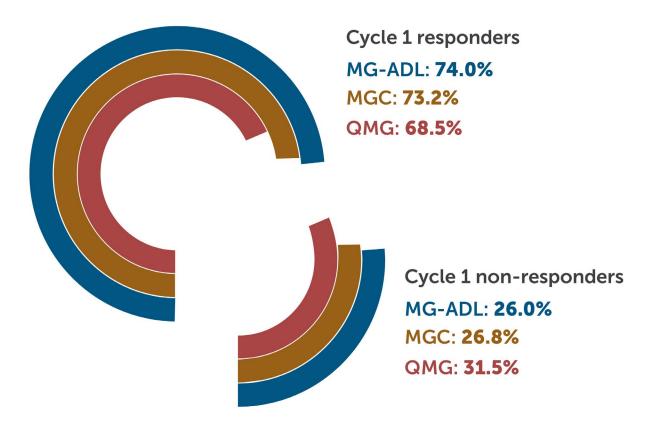
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\*Missing age was calculated as year of informed signed consent minus year of birth. <sup>†</sup>Captured from historical data case report form. <sup>‡</sup>One patient was both anti-AChR Ab+ and anti-MuSK Ab+.

Ab+, autoantibody positive; AChR, acetylcholine receptor; MG-ADL, Myasthenia Gravis Activities of Daily Living; QMG, Quantitative Myasthenia Gravis; RLZ, rozanolixizumab; SD, standard deviation.

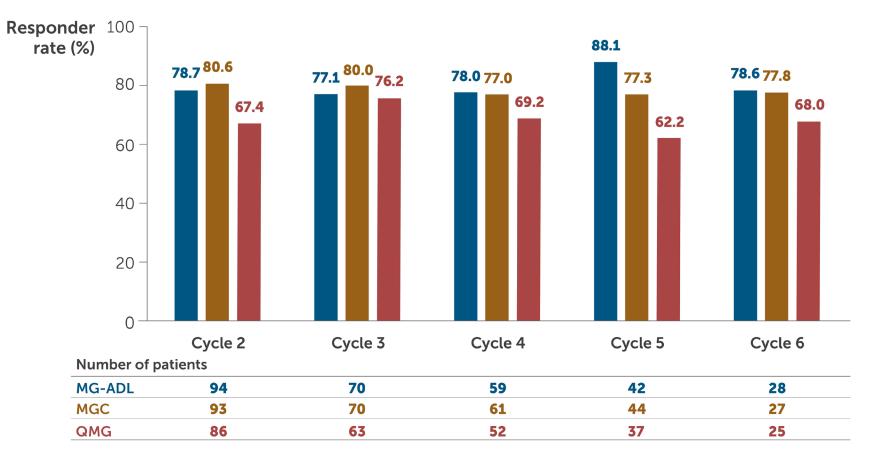
# **Figure 2** Cycle 1 responders and non-responders to RLZ treatment and subsequent response rates

(a) Proportions of MG-ADL, MGC and QMG responders and non-responders to RLZ treatment at Cycle 1



# **Figure 2** Cycle 1 responders and non-responders to RLZ treatment and subsequent response rates

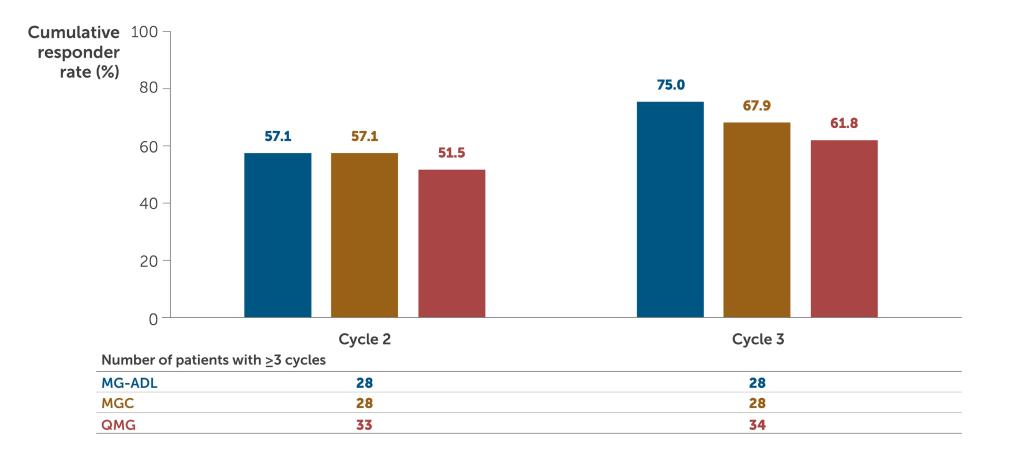
(b) Subsequent response rates were high among RLZ responders at Cycle 1



MG-ADL, Myasthenia Gravis Activities of Daily Living; MGC, Myasthenia Gravis Composite; QMG, Quantitative Myasthenia Gravis; RLZ, rozanolixizumab; SD, standard deviation.

# **Figure 2** Cycle 1 responders and non-responders to RLZ treatment and subsequent response rates

(c) High response rates at Cycle 2 and Cycle 3 were observed among patients who did not respond at Cycle 1



MG-ADL, Myasthenia Gravis Activities of Daily Living; MGC, Myasthenia Gravis Composite; QMG, Quantitative Myasthenia Gravis; RLZ, rozanolixizumab; SD, standard deviation.

### **Summary and conclusions**



This pooled analysis assessed the consistency of response across repeated cycles of rozanolixizumab treatment among Cycle 1 responders and the subsequent outcomes of Cycle 1 non-responders



Among Cycle 1 responders, MG-ADL, MGC and QMG response rates remained high over Cycles 2–6



Among Cycle 1 non-responders, >50% responded to a second cycle of treatment across the MG-ADL, MGC and QMG scales, and response rates remained high among patients who had a third cycle



Patients receiving rozanolixizumab who responded in the first treatment cycle demonstrated a consistent response rate over multiple cycles, while initial non-responders may benefit from additional rozanolixizumab treatment cycles