CONTENT PROVIDED FOR SHAREHOLDERS, INVESTORS AND OTHER CAPITAL MARKET PARTICIPANTS ONLY Ali A. Habib¹, Artur Drużdż², Julian Grosskreutz³, Henry Kaminski⁴, Renato Mantegazza⁵, Patient-reported and quality-of-life outcomes from MycarinG, Sabrina Sacconi⁶, Kimiaki Utsugisawa⁷, John Vissing⁸, Tuan Vu⁹, Thomas Morel¹⁰, Marion Boehnlein¹¹, Franz Woltering¹¹, Ali Bozorg¹², Maryam Gayfieva¹³, Vera Bril¹⁴ a randomized, placebo-controlled, double-blind, Phase 3 trial ¹MDA ALS and Neuromuscular Center, University of California, Irvine, Orange, CA, USA; ²Department of Neurology, Municipal Hospital Poznań, Poland; of rozanolixizumab in generalized myasthenia gravis

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Summary



gMG is a chronic autoimmune disease that can unpredictably impair patients' routine daily activities



MycarinG assessed the efficacy and safety of the FcRn inhibitor rozanolixizumab in patients with gMG



The MG Symptoms PRO measure is a novel PRO measure developed specifically for use in MG, including a detailed assessment of physical fatigue



Compared to placebo, rozanolixizumab improved multiple patient-reported

outcomes, including fatigue



Rozanolixizumab improved the symptoms of patients with MG as well as their ability to carry out daily activities

Objective

patients with gMG

Introduction

- gMG is a rare, chronic, heterogeneous and unpredictable autoimmune disease that can impair patients' ability to carry out routine daily activities and negatively impact quality of life¹⁻³
- PROs are important tools for understanding the impact of symptoms of a disease on a patient's life and for showing that the effects of a treatment translate into a clinical benefit that is meaningful to patients⁴
- The MG Symptoms PRO measure is a novel PRO measure developed specifically for use in MG, which aims to provide a more granular and detailed measurement of MG severity than existing measures, including a detailed assessment of physical fatigue that is not included in other measures⁴
- Rozanolixizumab is a humanized IgG4 mAb that inhibits FcRn, reducing IgG autoantibody serum levels⁵
- Here we report the results of rozanolixizumab on PROs of patients with gMG, including the MG Symptoms PRO measure

Methods

- The MycarinG study (MG0003/NCT03971422) was a randomized, double-blind, placebo-controlled, Phase 3 trial
- Adults with MGFA Class II–IVa, AChR or MuSK autoantibody-positive gMG with an MG-ADL score of \geq 3 and a QMG score of \geq 11, who were considered for treatment with additional therapy such as IVIg or plasma exchange and had a body weight of ≥35 kg, were enrolled
- Patients were randomized 1:1:1 to weekly subcutaneous rozanolixizumab 7 mg/kg, 10 mg/kg or placebo for 6 weeks (Figure 1)
- Secondary PRO endpoints included MG Symptoms PRO Muscle Weakness Fatigability, Physical Fatigue and Bulbar Muscle Weakness. Other PRO endpoints included MGII, MG-QoL 15r and EQ-5D-5L (a generic quality-of-life scale that is not MG-specific)

Results

Patients

- A total of 200 patients were randomized (66 to rozanolixizumab 7 mg/kg, 67 to rozanolixizumab 10 mg/kg and 67 to placebo), with 43 patients completing the study in both the rozanolixizumab 7 mg/kg and 10 mg/kg groups and
- 42 completing the study in the placebo group (Figure 1) • Baseline demographic and disease characteristics were balanced between treatment groups (**Table 1**)

Efficacy

- MG-ADL CFB to Day 43 (primary endpoint) in both rozanolixizumab 7 mg/kg and rozanolixizumab 10 mg/kg groups was clinically meaningfully and highly statistically significantly improved compared with placebo (p<0.001 for both doses; **Figure 2**)
- Greater improvements in Muscle Weakness Fatigability, Physical Fatigue, and Bulbar Muscle Weakness were reported by patients treated with rozanolixizumab than with placebo at Day 43, as assessed by the MG Symptoms PRO (p<0.001 for Muscle Weakness Fatigability and Bulbar Muscle Weakness, both doses; p=0.012 for Physical Fatigue, rozanolixizumab 7 mg/kg; and p<0.001 for Physical Fatigue, rozanolixizumab 10 mg/kg; **Figure 3**)
- Improvement in CFB to Day 43 in MGII was greater in both rozanolixizumab groups than in the placebo group (Figure 4)
- - Improvements in CFB to Day 43 in MG-QoL 15r and EQ-5D-5L scores were greater in both rozanolixizumab groups than in the placebo group (Figure 5)

Safety

- A higher proportion of TEAEs occurred in the rozanolixizumab 7 mg/kg (81.3%) and 10 mg/kg (82.6%) arms than in the placebo arm (67.2%) - The majority of TEAEs were mild or moderate in severity with rozanolixizumab 7 mg/kg, 10 mg/kg or placebo
- and nausea

• To assess the effect of rozanolixizumab on patient-reported outcomes (PROs) in

• The primary endpoint was CFB to Day 43 in MG-ADL

The most frequently reported TEAEs were headache, diarrhoea, pyrexia



| | | Placebo (N=67) | RLZ 7 mg/kg (N=66) | RLZ 10 mg/kg (N=67) |
|---------------------------------------|----------------------------------|-------------------|-----------------------|------------------------|
| Age, years, mean (SD) | | 50.4 (17.7) | 53.2 (14.7) | 51.9 (16.5) |
| Sex, female, n (%) | | 47 (70.1) | 39 (59.1) | 35 (52.2) |
| MGFA class at baseline, n (%) | Class II | 23 (34.3) | 29 (43.9) | 26 (38.8) |
| | Class III | 41 (61.2) | 34 (51.5) | 39 (58.2) |
| | Class IVa/b | 3 (4.5) | 3 (4.5) | 2 (3.0) |
| Geographic region, n (%) | North America | 21 (31.3) | 21 (31.8) | 18 (26.9) |
| | Europe | 41 (61.2) | 36 (54.5) | 43 (64.2) |
| | Asia (inc. Japan) | 5 (7.5) | 9 (13.7) | 6 (9.0) |
| Race, n (%) | Asian | 5 (7.5) | 9 (13.6) | 7 (10.4) |
| | Black | 1 (1.5) | 0 | 4 (6.0) |
| | White | 46 (68.7) | 41 (62.1) | 49 (73.1) |
| | Missing* | 14 (20.9) | 16 (24.2) | 7 (10.4) |
| Baseline medications, n (%) | Corticosteroids for systemic use | 38 (56.7) | 43 (65.2) | 48 (71.6) |
| | Immunosuppressants | 33 (49.3) | 32 (48.5) | 38 (56.7) |
| | Parasympathomimetics | 60 (89.6) | 55 (83.3) | 57 (85.1) |
| Duration of disease, years, mean (SD) | | 9.4 (9.3) | 6.9 (6.8) | 9.6 (9.9) |
| MG-ADL score at baseline, mean (SD) | | 8.4 (3.4) | 8.4 (3.8) | 8.1 (2.9) |
| QMG score at baseline, mean (SD) | | 15.8 (3.5) | 15.4 (3.7) | 15.6 (3.7) |

*Data on race were not permitted to be collected in certain countries



Rozanolixizumab is not approved for treatment of MG by any health authorit MGII, Myasthenia Gravis Impairment Index; MG-QoL 15r, Myasthenia Gravis Quality of Life 15-item scale revised; MuSK, muscle-specific kinase; OLE, open-label extension; PLEX, plasma exchange; PRO, patient-reported outcome; QMG, Quantitative Myasthenia Gravis; RLZ, rozanolixizumab; SD, standard deviation; TEAE, treatment-emergent adverse event; wk, week. for Myasthenia Gravis (MGNet) National Institute of Neurological Disorders & Stroke, U54 NS115054 and Sabrina Sacconi have nothing to disclose. Acknowledgements: The authors thank the patients and their caregivers, in addition to the

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Final visit could occur on any day up to Day 99.

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Abbreviations: AChR, acetylcholine receptor; CFB, change from baseline; CI, confidence interval; d, day; EQ-5D-5L, European Quality of Life 5 Dimensions 5 Levels; FCRn, neonatal Fc receptor; gMG, generalized myasthenia gravis; IgG, immunoglobulin; LSM, least-squares mean; mAb, monoclonal antibody; MG, myasthenia gravis; MG-ADL, Myasthenia gravis; MG-ADL, Myasthenia gravis; MG-ADL, Myasthenia gravis; MG-ADL, Myasthenia gravis; IgG, immunoglobulin; LSM, least-squares mean; mAb, monoclonal antibody; MG, myasthenia gravis; MG-ADL, M References: 1. Gilhus N, et al. Nat Rev Dis Primers 2019;5:30. 2. Nowak R. Neurol Rev (Suppl) 2018;March:S1. 3. Twork S, et al. Orphanet J Rare Dis 2021;16:457. 5. Smith B, et al. Orphanet J Rare Dis 2021;16:457. 5. Smith B, et al. Health Qual Life Outcomes 2010;8:129. 4. Cleanthous S, et al. Orphanet J Rare Dis 2021;16:457. 5. Smith B, et al. Orphanet J Rare Dis 2021;16:457. 5. Smith B, et al. Orphanet J Rare Dis 2021;16:457. 5. Smith B, et al. 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