This data highlights the unmet clinical need

for younger women with gMG in the US

This analysis found a high percentage

of younger women were not receiving

contraindicated in pregnancy were

treatment for gMG and use of medications

Additionally, compared with other groups,

younger women were most frequently not

This data supports the need for education

on treatment options and benefit/risk

of maintenance therapies in this patient

Improving care for younger women with

The DSP was not based on a true random sample of

physicians or patients. While minimal inclusion criteria

patients, participation was influenced by willingness to

The quality of the data obtained relies on how accurately

physicians and patients were able to recall and report

governed the selection of the participating physicians and

gMG represents a significant opportunity

Key Takeaway

Conclusions

observed

in remission

population

Limitations

information

complete the survey

Treatment-Related Characteristics Among Younger Women with Generalized Myasthenia Gravis



Scan the QR code.

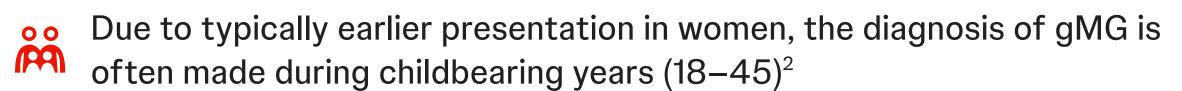
The QR code is intended to provide scientific informat for individual reference, and the information should not

Jacqueline Pesa¹, Louis Jackson¹, Alex Keenan¹, Nolan Campbell¹, Gregor Gibson², Joe Conyers², Neelam Goyal³

¹Johnson & Johnson, Horsham, PA, USA; ²Adelphi Real World, Bollington, UK; ³Stanford Neuroscience Health Center, Palo Alto, CA, USA

Background

Generalized myasthenia gravis (gMG) is a rare, chronic autoimmune neuromuscular disease that manifests with fluctuating muscles weakness and fatigue¹



There is a lack of research in women during this critical life stage where family planning and other priorities present differentiating considerations for gMG management³

Objective

To describe treatment patterns among younger women with gMG

Methods

- Data were drawn from the Adelphi gMG Disease Specific Programme[™]
 (DSP), an extensive cross-sectional dataset of US-based gMG-treating
 neurologists and their consulting patients with gMG collected between
 January and August 2024. The DSP methodology has been previously
 published and validated⁴⁻⁷
- Physicians were eligible for inclusion if they were responsible for the management of at least one patient with a confirmed diagnosis of gMG and identified as having a primary specialty of neurology
- Physicians reported patient-level data on their gMG patients, including demographics, clinical characteristics, current and treatment history
- For this analysis, patients were included if they were MGFA class II–IV at time of survey

Results

patients with gMG

Demographics and Clinical Characteristics

- Data was collected from 40 neurologists with respect to 266 patients with gMG: 55 women aged 18–45 (younger women), 24 men aged 18–45 (younger men), 73 women aged ≥46 (older women), and 114 men aged ≥46 (older men)
- Patients had a mean (standard deviation; SD) age of 54.9 (14.0) years, 51.9% were male. The mean (SD) time since diagnosis was 3.9 (5.4) years; younger women had a shorter time since diagnosis (2.2 [1.8] years; **Table 1**)

Table 1. Demographics, clinical characteristics, and treatment status at time of survey of

	Overall (n=266)	Younger Women (n=55)	Older Women (n=73)	Younger Men (n=24)	Older Men (n=114)
Age (years); mean (SD)	54.9 (14.0)	37.9 (6.8)	61.2 (10.1)	39.6 (5.1)	62.2 (10.0)
Gender, male; n (%)	138 (51.9)	0 (0.0)	0 (0.0)	24 (100.0)	114 (100.0)
Time since diagnosis (years); mean (SD)	3.9 (5.4)	2.2 (1.8)	3.8 (4.1)	4.3 (4.6)	4.8 (7.0)
Antibody status, AChR+; n (%)	186 (69.9)	34 (61.8)	59 (80.8)	17 (70.8)	76 (66.7)
MG-ADL score; mean (SD)	4.7 (3.3)	4.0 (3.1)	4.9 (3.1)	4.7 (3.5)	4.9 (3.4)
MGFA classification at time of survey					
Class II; n (%)	221 (83.1)	48 (87.3)	62 (84.9)	19 (79.2)	92 (80.7)
Class III; n (%)	40 (15.0)	6 (10.9)	11 (15.1)	4 (16.7)	19 (16.7)
Class IV; n (%)	5 (1.9)	1 (1.8)	0 (0.0)	1 (4.2)	3 (2.6)
Treatment Status Prescribed maintenance treatment currently, yes; n (%)	222 (83.5)	45 (76.4)	64 (87.7)	20 (83.3)	96 (84.2)
Time since current maintenance treatment initiation (years); mean (SD)	2.0 (3.0)	1.3 (1.2)	1.8 (2.4)	1.9 (2.3)	2.5 (3.9)
Number of maintenance regimens received since diagnosis; mean (SD)	1.8 (0.9)	1.8 (1.0)	1.9 (0.9)	1.8 (0.9)	1.7 (0.8)

gMG=generalized myasthenia gravis, SD=standard deviation, AChR=acetylcholine receptor antibody, MG-ADL=Myasthenia Gravis Activities of Daily Living, MGFA=Myasthenia Gravis Foundation of America.

reports advisory and consulting engagements from Alexion, argenx, UCB/Ra Pharma, Janssen, Amgen, Lycia, as well as grant support from argenx.

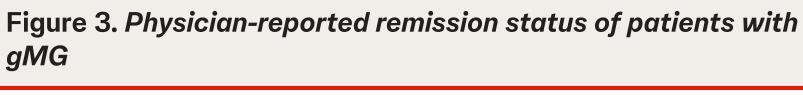
- 83.1% of patients were MGFA class II at time of survey with a mean (SD) MG-ADL score of 4.7 (3.3) and 69.9% were anti-AChR positive (**Table 1**)
- Among younger women, 1 patient was pregnant and 4 had informed their physician of their plans to become pregnant in the next 12 months
- On average, from diagnosis to time of survey, patients received a mean (SD) of 1.8 (0.9) treatment regimens, with 83.5% of patients receiving a maintenance treatment at time of survey (**Table 1**)

Treatment Patterns Figure 2 Physician-reported reasons for nationts with a Month of the control of the control

- Figure 1 shows the class of treatment prescribed at time of survey split by comparison groups of age and gender. A total of 27% of younger women had received methotrexate and 18% mycophenolate mofetil, which are contraindicated in pregnancy
- 16.5% (n=44) of patients were not receiving treatment at time of survey, 23.6% (n=13) in younger women, 12.3% (n=9) in older women, 16.7% (n=4) in younger men, and 15.8% (n=18) in older men. Of those not receiving treatment, physicians cited that 40.9% of patients had refused medication; 53.8% amongst younger women, 22.2% in older women, 50.0% in younger men, and 38.9% in older men (**Figure 2**)
- Additionally, 42% of younger women were not in remission at the time of survey (vs 25% older women, 33% younger men, 32% older men), respectively (Figure 3)

ACHEI=acetylcholinesterase inhibitors, NS-IST=non-steroidal immunosuppressants, CS=corticosteroids, CI=complement inhibitors, Rit=rituximab, IG=immunoglobulins, PX=plasmapheresis, IVIg=intravenous immunoglobulins, SCIg=subcutaneous immunoglobulins, IVIg=intravenous immunoglobul

Figure 2. Physician-reported reasons for patients with gMG not prescribed maintenance treatment at time of survey (top five)



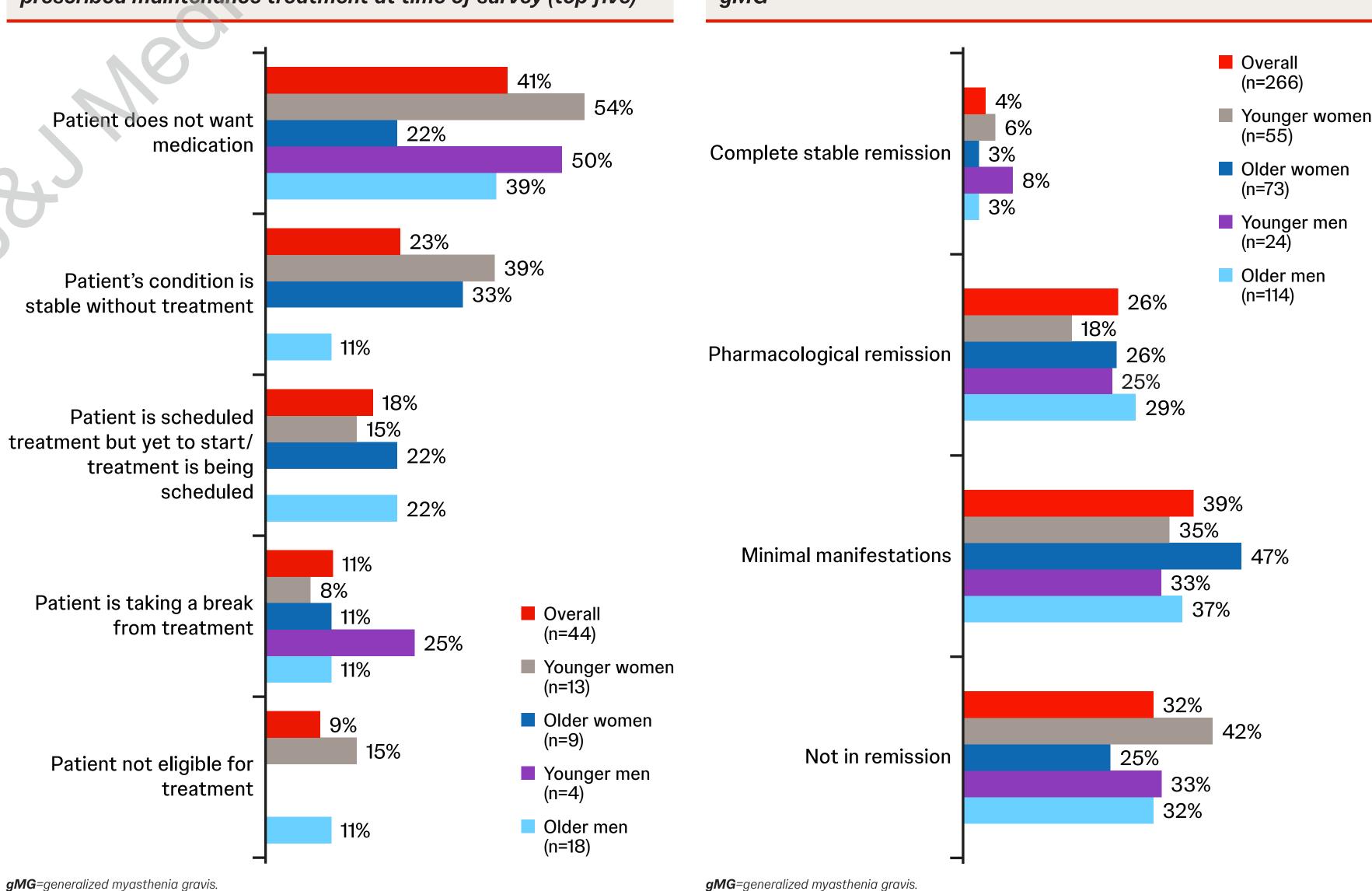


Figure 1. Physician-reported class of maintenance treatment prescribed at time of survey (A), physician-reported biologic treatment prescribed at time of survey (C)

