

Diagnosis of MG: Pitfalls and Pearls

Yoon-Ho Hong, MD, PhD

Department of Neurology, Seoul National University College of Medicine,
Seoul Metropolitan Government Boramae Medical Center, Seoul

yhh@snu.ac.kr

Disclosures

No conflicts of interest to disclose in relation to this lecture

Learning objectives



- 01** Recognize the classic and atypical clinical presentations of MG

- 02** Identify common diagnostic pitfalls and sources of missing or misdiagnosis of MG in real-world clinical practice

- 03** Integrate clinical, laboratory, and electrophysiological findings to formulate a timely and accurate diagnosis

Key messages

- MG is a heterogenous group that present in variable ways, making diagnosis challenging due to overlap with other conditions
- Many clinical signs of fatigable weakness are neither sensitive nor specific in isolation for diagnosing MG
- Over-reliance on serological tests and electrophysiological evaluation in isolation can lead to misdiagnosis
- Be vigilant for "red flags" that point away from MG diagnosis and prompt additional investigations
- Ultimately, a secure diagnosis of MG is achieved through the combined interpretation of the clinical presentation, physical examination, antibody testing, imaging, electrophysiology, and response to treatment

References

Shadi El-Wahsh, et al, Neuromuscular junction disorders: mimics and chameleons, Pract Neurol, 2024

Rodolico C, Parisi D, Portaro S, et al. Myasthenia Gravis: Unusual Presentations and Diagnostic Pitfalls. J Neuromuscul Dis 2016

Kwon YN et al, Clinical pitfalls and serological diagnostics of MuSK myasthenia gravis. J Neurol. 2023

Yoganathan K, Stevenson A, Tahir A, et al. Bedside and laboratory diagnostic testing in myasthenia. J Neurol 2022

Lamb CJ, Rubin DI. Sensitivity and specificity of repetitive nerve stimulation with lower cutoffs for abnormal decrement in myasthenia gravis. Muscle Nerve 2020